

### UNITED STA1 & DEPARTMENT OF COMMERCE Patent and Trademark Office Address: COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

FIRST NAMED APPLICANT ATTORNEY DOCKET NO. TITLE

2209-603

SCHOOLS A 1991 MASHINGTON DC 2000-837 7 77 76 t 1970 J. 1883 o 0292/0114 MOT ASSIGNED

DATE MAILED: 3643

NOTICE TO FILE MISSING PARTS OF APPLICATION
Filing Date Granted

01/14/98

| Direct the response and any questions about this notice to "Attention: Box Missing Parts." | <ul> <li>8. The application does not comply with the Sequence Rules.</li> <li>See attached "Notice to Comply with Sequence Rules 37 CFR 1.821-1.825."</li> <li>9. OTHER:</li> </ul> | An path or declaration listing the names of all inventors and signed by the omitted invent the above Application Number and Filing Date, is required.  B. A \$ processing fee is required since your check was returned without to a control of the processing fee is required since your check was returned without to a control of the processing fee is required. | ☐ missing.  □ by a person other than inventor or person qualified under 37 CFR 1.42, 1.43, or 1.47.  □ by a person other than inventor or person qualified under 37 CFR 1.63, Identifying the application by the above Application Number and Filing Date, is required.  □ 5. The signature of the following joint inventor(s) is missing from the oath or declaration: | is missing.  does not cover the newly submitted items.  does not identify the application to which it applies.  does not include the city and state or foreign country of applicant's residence of a cath or declaration in compliance with 37 CFR 1. 63, including residence informs above Application Number and Filing Date is required.  The signature(s) to the oath or declaration is/are:   | 1.27).<br>nal claim  | If all required items on this form are filed within the period set above, the total amount owed by applicant as a ☐ Interest and Interest of the statutory basic filing tee is: ☐ Insufficient. ☐ ☐ Insufficient. ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ |
|--|---|--|---|--|--|---|
| antion: Box Missing Parts."<br>he refurned with the response                               | OFR 1.821-1.825."   | An path or declaration listing the names of all inventors and signed by the omitted inventor(s), identifying this application by the above Application Number and Filing Date, is required.  \\$   | nder 37 CFR 1.42, 1.43, or 1.47.<br>37 CFR 1.63, Identifying the application by the above<br>rom the oath or declaration:   | is missing.  In does not cover the newly submitted Items.  In does not cover the newly submitted Items.  In does not identify the application to which it applies.  In does not include the city and state or foreign country of applicant's residence.  In cath or declaration in compliance with 37 CFR 1. 63, including residence information and identifying the application by the above Application Number and Filing Date is required.  The signature(s) to the oath or declaration is/are: | to complete the basic filing fee and/or file a verified small entity _, including any multiple dependent claim fees, are required. im fees or cancel additional claims for which fees are due. | set above, the total amount owed by applicant as a  |

\*U.S. GPO: 1896-404-496/40515

FORM PTO-1593 (REV.7-96)

PART 3-OFFICE COPY

Customer Service Center Initial Patent Examination Division (703) 308-1202

**DTC000099** 

#### DECLARATION AND POWER OF ATTORNEY

As a below named inventor, thereby declare that

My residence, post office address and citizenship are as stated below at 201 et seq. underneath my name.

[believe I am the original, first and sole inventor if only one name is listed at 201 below, or an original, first and joint inventor if piural names are listed at 201 et seq. below, of the subject matter which is claimed and for which a patent is sought on the invention entitled

## REMOTE IMAGE CAPTURE WITH CENTRALIZED PROCESSING AND STORAGE

and for which a patent application:

XI was filed in the United States on \_\_August 27, 1997

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations,

thereby claim foreign priority benefits under Title 35, United States Code, \$119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that application on which priority is claimed

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| YES - NO -          | ,                                 |  |                          |
|---------------------|-----------------------------------|--|--------------------------|
| YES 🔲 NO 🗆          |                                   |  |                          |
| PRIORITY<br>CLAIMED | DATE OF FILING (day, month, year) | COUNTRY  | APPLICATION NUMBER       |
| OF THE APPLICA      | TO THE FILING DATE                | EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED PRIOR TO THE FILING DATE OF THE APPLICATION | EARLIEST FOREIGN APPLICA |

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below

|  | APPLICATION NUMBER |
|--|--------------------|
|  | FILING DATE        |

I hereby claim the benefit under Title 35. United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35. United States Code §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

|  | APPLICATION SERIAL NO. |        |
|--|------------------------|--------|
|  | FILING DATE            |        |
|  | PATENTED               |        |
|  | PENDING                | STATUS |
|  | ABANDONED              |        |

POWER OF ATTORNEY: As a named inventor, I hereby appoint S. Leslie Misrock (Reg. No. 18872), Harry C. Jones, III (Reg. No. 2080), Beg A. Terzian (Reg. No. 20060), Gerald J. Flintoft (Reg. No. 20823), David Weild, III (Reg. No. 21094), Jonathan A. Marshall (Reg. No. 24614), Barry D. Rein (Reg. No. 22411), Stanton T. Lawrence, III (Reg. No. 25736), Isaac Jarkowsky (Reg. No. 22713), Joseph V. Colaisanni (Reg. No. 20019), Charles E. McKenney (Reg. No. 22798), Philip T. Shannon (Reg. No. 2478), Francis E. Morris (Reg. No. 24615), Charles E. Miller (Reg. No. 25750), Gidon D. Stem (Reg. No. 27876), John J. Lauter, Jr. (Reg. No. 27816), Brian M. Poissant (Reg. No. 26764), Roy J. Radding (Reg. No. 28749), Stephen J. Harbulsk (Reg. No. 29166), Donald J. Goodell (Reg. No. 19766), James N. Palik (Reg. No. 2510), Thomas E. Friebel (Reg. No. 29258), Laura A. Coruzzi (Reg. No. 30742), Jennifer Gordon (Reg. No. 30733), Jon R. Stark (Reg. No. 3011), Allan A. Fanucci (Reg. No. 30256), Geraldine F. Baldwin (Reg. No. 31231), Ventor N. Balancia (Reg. No. 31231), Samuel B. Abranns (Reg. No. 30050), Steven I. Wallach (Reg. No. 33605), Marcia H. Sundeen (Reg. No. 30893), Paul J. Zegger (Reg. No. 33821), Edmond R. Bannon (Reg. No. 3110), Bruce J. Barker (Reg. No. 3391), Adriane M. Aniter (Reg. No. 31636), all of Pennie & Edmonds LLP, whose addresses are 1155 Avenue of the Americus, New York, New York 10036, 1667 K Street N. W., Washington, DC 20006 and 3300 Hillivew Avenue, Palo Alto, CA 94304, and each of them, my altorneys, to prosecute themselved themselved the Patent and Tradomark Office

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|                        | 9019                     |                          |                        | 502                      |                          |                        | 404                      |                          |                        | w 0 N                    |                          |                        | 2012                     |                          |                          | -012                                |                          | SEX  |
|------------------------|--------------------------|--------------------------|------------------------|--------------------------|--------------------------|------------------------|--------------------------|--------------------------|------------------------|--------------------------|--------------------------|------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|--|
| POST OFFICE<br>ADDRESS | RESIDENCE &              | FULL NAME<br>OF INVENTOR | POST OFFICE<br>ADDRESS | RESIDENCE & CITIZENSHIP  | FULL NAME<br>OF INVENTOR | POST OFFICE<br>ADDRESS | RESIDENCE &              | FULL NAME<br>OF INVENTOR | POST OFFICE<br>ADDRESS | RESIDENCE & CITIZENSHIP  | FULL NAME<br>OF INVENTOR | POST OFFICE<br>ADDRESS | RESIDENCE &              | FULL NAME<br>OF INVENTOR | POST OFFICE<br>ADDRESS   | RESIDENCE & CITIZENSHIP             | FULL NAME<br>OF INVENTOR | SEND CORRESPONDENCE TO:  |
| STREET                 | спү                      | LAST NAME                | STREET                 | CITY                     | LAST NAME                | STREET                 | спү                      | LAST NAME                | STREET                 | CTTY                     | LAST NAME                | STREET                 | CITY                     | LAST NAME                | TREST 16 West Neck Court | city<br>Lloyd Harbor                | LAST NAME<br>BALLARD     | CE TO: PENNIE & EDMONDS LLP<br>1667 K STREET, N.W.<br>WASHINGTON, D.C. 20006   |
| CITY                   | STATE OR FOREIGN COUNTRY | FIRST NAME               | מנדיו                  | STATE OR FOREIGN COUNTRY | FIRST NÂME               | מידיץ                  | STATE OR POREION COUNTRY | FIRST NAME               | CITY                   | STATE OR FOREIGN COUNTRY | FIRST NAME               | CITY                   | STATE OR FOREIGN COUNTRY | FIRST NAME               | CITY Lloyd Harbor        | STATE OR FOREIGN COUNTRY NEW York   | FIRST NAME<br>Claudio    |  |
| STATE OR COUNTRY       | COUNTRY OF CITIZENSHIP   | MIDDLE NAME              | STATE OR COUNTRY       | COUNTRY OF CITEZEMSHIP   | MIDDLE NAME              | STATE OR COUNTRY       | COUNTRY OF CITERNSIAP    | MIDDLE NAME              | STATE OR COUNTRY       | COUNTRY OF CITIZENSKIP   | MIDDLENAME               | STATE OR COUNTRY       | COUNTRY OF CITIZENSHIP   | MIDDLE NAME              | New York                 | COUNTRY OF CITZENSHIP United States | MIDDLE NAME<br>R.        | DIRECT TELEPHONE CALLS TO:<br>PENNIE & EDMONDS LLP DOCKETING<br>(202) 496-4400 |
| ZIP CODE               | (F)                      |                          | 2)P CODE               | i.                       |                          | ZIP CODE               | αP                       |                          | ZIP CODE               |                          |                          | Z(P CODE               | 17                       |                          | ZI≯ CODE<br>11743        | j                                   |                          | LS TO:<br>DOCKETING  |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

| CONTINUE & COMMISSION SO SENTANDES | SIGNATURE OF INVENTOR | SIGNATURE OF INVENTOR |
|------------------------------------|-----------------------|-----------------------|
| B/27/97                            | DATE                  | DATE                  |
| SIGNATURE OF INVENTOR              | SIGNATURE OF INVENTOR | SIGNATURE OF INVENTOR |
| DATE                               | DATE                  | DATE                  |

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PEDC-99389.1



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1998

### UNITED STA. 28 DEPARTMENT OF COMMERCE Patent and Trademark Office Address: COMMISSIONER OF PATENTS AND TRADEMARKS

Washington, 2023

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X Asstant DO MOLENTHISUM 20006

DATE MAILED: 

#### NOTICE TO FILE MISSING PARTS OF APPLICATION Filing Date Granted

fee under the provisions of 37 CFR 1.136(a). any fees required above to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension

ċ₂ □ \_\_ မ If all required items on this form are filed within the period set above, the total amount owed by applicant as  $\mathbb{R}$  large entity  $\square$  small-entity (verified statement filed), is  $\mathbb{S}$   $\square$   $\mathbb{S}$   $\mathbb{S}$ 8. The application does not comply with the Sequence Rules.

See attached "Notice to Comply with Sequence Rules 37 CFR 1.821-1.825." N 7. Your filing receipt was mailed in error because your check was returned without payment The signature of the following joint inventor(s) is missing from the oath or declaration: The oath or declaration: The signature(s) to the oath or declaration is/are: The statutory basic filing fee is: ☐ does not identify the application to which it applies.
 ☐ does not include the city and state or foreign country of applicant's residence.
 An oath or declaration in compliance with 37 CFR 1. 63, including residence information and identifying the application by An oath or declaration listing the names of all inventors and signed by the omitted inventor(s), identifying this application by the above Application Number and Filing Date, is required. Application Number and Filing Date, is required. A properly signed oath or declaration in compliance with 37 CFR 1.63, the above Application Number and Filing Date is required Applicant must either submit the additional claim Additional claim fees of \$ by a person other than inventor or person qualified under 37 CFR 1.42, 1.43, or 1.47 insufficient. missing. missing. does not cover the newly submitted items. is missing. processing fee is required since your check was returned without payment (37 CFR 1.21(m)) to complete the basic filing fee and/or file a yedfled small entity including any multiple dependent claim fees, are required fees or cancel additional claims for which fees are due identifying the application by the

of this notice MUST be returned with the response Direct the response and any questions about this notice to "Attention: Box Missing Parts."

9. OTHER:

Initial Patent Examination Division (703) 308-1202 ustomer Service Center

DOMY 15

FORM PTO-1533 (REV.7-86)

PART 2-COPY TO BE RETURNED WITH RESPONSE

## IN THE UN. D STATES PATENT AND TRADEMARK OFFICE

n re: M Application of:

BATT ADD

Group Art Unit: Unassigned

Claudio R. BALLARD

XI Filed: August 27, 1997

Examiner: Unassigned

For: REMOTE IMAGE CAPTURE WITH CENTRALIZED PROCESSING AND STORAGE

Attorney Docket No.: 2269-003

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
[37 CFR 1.9(f) and 1.27(b)] - Independent Inventor

Assistant Commissioner for Patents Washington, D.C. 20231

Additional transfer of the property of the pro

Sir

As a below named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code, to the Patent and Trademark Office with regard to the invention entitled REMOVE IMAGE CAPTURE WITH CENTRALIZED PROCESSING AND STORAGE described in

M the specification filed herewith

contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e). I have not assigned, granted, conveyed or licensed and am under no obligation under

licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below: Each person, concern or organization to which I have assigned, granted, conveyed, or

| ×   |  |
|---|--|
| persons,  | no such                                  |
| ¶ persons, concerns or organizations listed below | no such person, concern, or organization |
| or organ  | oncern,                                  |
| nizations   | or organı                                |
| listed  | zation                                   |
| below   |  |

organization having rights to the invention averring to their status as small entities. (37 CFR 1.27) \*NOTE: Separate verified statements are required from each named person, concern, or

PEDC-98787.1

| □ INDIVIDUAL □ SMAL         | FULL NAME | □ INDIVIDUAL □ SMAL         | FULL NAME | □ INDIVIDUAL □ SMAL         | ADDRESS | FULL NAME <u>CSP Holdings LLC</u> ADDRESS 16 West Neck Court Lloyd Harbor, New York 11743  INDIVIDUAL X SMALL 1 |
|-----------------------------|-----------|-----------------------------|-----------|-----------------------------|---------|---|
| □ SMALL BUSINESS CONCERN    |           | ☐ SMALL BUSINESS CONCERN    |           | ☐ SMALL BUSINESS CONCERN    |         | eck Court  ork 11743  M SMALL BUSINESS CONCERN  |
| □ NONPROFIT<br>ORGANIZATION |           | □ NONPROFIT<br>ORGANIZATION |           | □ NONPROFIT<br>ORGANIZATION |         | □ NONPROFIT ORGANIZATION  |

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. [37 CFR 1.28 (b)]

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, and patent issuing thereon, or any patent to which this verified statement is directed.

Send correspondence to:

Washington, D.C. 20006 PENNIE & EDMONDS LLP 1667 K Street, N.W. Direct Telephone calls to: PENNIE & EDMONDS LLP (202) 496-4400

| DATE                  | DATE                  | DATE                                 |
|-----------------------|-----------------------|--------------------------------------|
| SIGNATURE OF INVENTOR | SIGNATURE OF INVENTOR | SIGNATURE OF INVENTOR                |
| NAME OF INVENTOR      | NAME OF INVENTOR      | NAME OF INVENTOR                     |
| DATE                  | DATE                  | 46/22/8 DATE                         |
| SIGNATURE OF INVENTOR | SIGNATURE OF INVENTOR | Change Solvening                     |
| NAME OF INVENTOR      | NAME OF INVENTOR      | NAME OF INVENTOR  Claudio R. Ballard |
|                       |                       |                                      |

PEDC-98787.1



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

H Application of:

Ö BALLARD

Application No.: 08/917,761

Group Art

Unit:

3642

Filed: August 27, 1997

Examiner:

For: REMOTE IMAGE CENTRALIZED PROCESSING AND STORAGE CAPTURE WITH

> Attorney Docket 2269-003 No::

RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION, FILING DATE GRANTED and SUBMISSION OF VERIFIED STATEMENT CLAIMING SMALL ENTITY STATUS

BOX MISSING PARTS Assistant Commissioner Washington, D.C. 20231 for Patents

Sir:

of Attorney signed by the dated January 14, Small PTO-1533. Entity In response to Also enclosed is Status which has 1998, enclosed is the Declaration and Power the Notice inventor the Verified Statement Claiming been signed by the inventor. Claudio R. to File Missing Parts BALLARD and Form

ŗ. surcharge). Edmonds LLP Deposit Account No. 16-1150. submission (\$766.00 enclosed. H is believed that a Please charge filing Hee the required fee to for small entity fee of \$831.00 is due for A copy of this Pennie & and \$65.00 sheet this

Respectfully submitted

DAS112761

41.00 330.00 65.00

Fanucci,

Reg.

No.

30,256

PENNIE & EDMONDS LLP 1667 K Street, N.W. Washington, D.C. 200 20006

(202)496-4400

PEDC-115160.1





#### PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants Karen Gross et al.

Application No. 08/925,447

Filed September 8, 1997

For SINGLE TELEPHONE NUMBER ACCESS TO MULTIPLE COMMUNICATIONS

Docket No. CDR-096-013

Date February 2, 1998

Assistant Commissioner for Patents

2011 Jefferson Davis Highway Washington, DC 20231

## GENERAL AUTHORIZATION UNDER 37 C.F.R. § 1.136(a)(3)

time under 37 C.F.R. § 1.136(a)(3) for its timely submission as incorporating a petition charge any fees which may be required, or credit any overpayment, to Deposit Account No. therefor for the appropriate length of time. The Assistant Commissioner is also authorized to is authorized to treat any concurrent or future reply requiring a petition for an extension of With respect to the above-identified application, the Assistant Commissioner

Respectfully submitted,

Karen Gross et al

SEED and BERRY

Registration No. 34,807 Christopher Daley-Watson

CD:kh

6300 Columbia Center SEED and BERRY LLP

701 Fifth Avenue

Seattle, Washington 98104-7092 (206) 622-4900

FAX: (206) 682-6031

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

He/IDS.

In re Application of:

C. BALLARD

Application No.: 08/917761

Filed: August 27, 1997

For: REMOTE IMAGE CAPTURE WITH CENTRALIZED PROCESSING AND STORAGE

Group Art Unit: 3642

Examiner: Unassigned

Attorney Docket 2269-003

No.:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97 AND 1.98

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

Examiner's convenience. chronological order, Applicant". on Form PTO-1449 C.F.R. S 1.97 Pursuant to Applicant's duty of disclosure under The references entitled "List and 1.98, copies of which are enclosed for the enclosed is a list are listed in reverse of References Cited by of 22 references

completion and return of the Form PTO-1449. record is respectfully requested that these references in this application by the Examiner's

Pennie & Edmonds LLP Deposit Account No. 16-1150. Should any fee be required, however, Action on the merits of the application identified above. since <u>~</u> is being made prior to issuance of a No fee is believed to be due for this submission, please charge such fee first Office ď

Respectfully submitted

3-S-

14,78.3

Allan A. Fanucci, Reg. No. 30,

PENNIE & EDMONDS LLP 1667 K Street, N.W., Suite 1000 Washington, DC 20006

(202) 496-4400

Enclosures

PEDC-106592

DTC000107

|                            |                 |       | DATE CONSIDERED   | DATE (                   | 5,              | . Campialos,                          | 5      | EXAMINER         |
|----------------------------|-----------------|-------|---|--------------------------|-----------------|---------------------------------------|--------|------------------|
|                            |                 |       |   |                          |                 |                                       | ×      |                  |
|                            |                 |       | OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.) | uding Author, Title,     | FERENCES (Inc.) | OTHER RE                              |        |                  |
| $\vdash$                   |                 |       |   |                          |                 |                                       | AW     |                  |
| TRANSLATION YES NO         | SUBCLASS        | CLASS | COUNTRY   |                          | DATE            | . DOCUMENT NUMBER                     |        |                  |
|                            |                 |       | UMENTS  | FOREIGN PATENT DOCUMENTS | FORE            |                                       |        |                  |
|                            | 379             | 235   | 8   | Amemiya et al.           | 09/1987         | 4,694,147                             | ΑV     | M                |
|                            | 144             | 379   | 1   | Hodgson et al.           | 06/1988         | 4,750,201                             | ΑU     | 25               |
|                            | 380             | 235   |   | Haun                     | 06/1989         | 4,843,220                             | Ą      | 3                |
|                            | 408             | 364   |   | Benton et al.            | 05/1990         | 4,926,325                             | AS     | 3                |
|                            | 379             | 235   |   | Benton et al.            | 10/1990         | 4,960,981                             | ÂR     | Z                |
|                            | 408             | 364   |   | Benton et al.            | 06/1992         | 5,122,950                             | ΑQ     | 28               |
|                            | 379             | 235   |   | Yoshida                  | 09/1992         | 5,144,115                             | ΑP     | ZZ.              |
|                            | 380             | 235   | ,   | McClure                  | 12/1992         | 5,173,594                             | Ą      |                  |
|                            | 408             | 364   |   | Lawlor et al.            | 06/1993         | 5,220,501                             | Ą      | 3                |
|                            | 24              | 380   |   | Anderson                 | 02/1994         | 5,283,829                             | AM     | Dr.              |
|                            | 23              | 380   |   | Ray et al.               | 06/1994         | 5,321,751                             | AL.    | N.               |
|                            | 187             | 382   |   | Wagner et al.            | 07/1995         | 5,434,928                             | À      | iz.              |
|                            | 23              | 380   |   | Ray et al.               | 07/1995         | 5,436,970                             | £.     | Se               |
|                            | 24              | 380   |   | Drexler et al.           | 10/1995         | 5,457,747                             | ≥      | 22               |
|                            | 24              | 380   |   | Olsen et al.             | 12/1995         | 5,479,510                             | A      | £.               |
|                            | 241             | 395   |   | Pitroda                  | 12/1996         | 5,590,038                             | AG     | Z.               |
|                            | 116             | 382   | a],   | Blackwell et al.         | 02/1997         | 5,602,933                             | Ą      | Si               |
|                            | 803             | 359   |   | Zipf et al.              | 02/1997         | 5,604,640                             | À      | Ž                |
|                            | 4               | 380   |   | Bakhoum                  | 03/1997         | 5,613,001                             | Đ      | Z                |
|                            | 119             | 382   | 1,  | Smithies et al.          | 07/1997         | 5,647,017                             | AC     | M                |
|                            | 23              | 380   |   | Houvener                 | 08/1997         | 5,657,389                             | AB     | 200              |
|                            | 190             | 382   | *   | Rudolph et al.           | 08/1997         | 5,657,396                             | AA     | M                |
| FILINO DATE IF APPROPRIATE | SUBCLASS        | CLASS | HAME  |                          | DATE            | DOCUMENT NUMBER                       |        | NITIAL<br>NITIAL |
|                            |                 |       | MENTS   | U.S. PATENT DOCUMENTS    | U.8             |                                       |        |                  |
| 2746                       | 3647 2          |       | August 27, 1997   |                          | :               | KIR D S TESS                          |        |                  |
|                            | GROUP           |       | KUMO DATE   |                          |                 |                                       |        |                  |
|                            |                 |       | C. BALLARD  |                          | necessary)      | Abse several sheets if necessary      |        |                  |
| 67                         | 08/917,761      |       | 2269-003  | ANT                      | D 8Y APPLIC     | LIST OF REFERENCES CITED 8Y APPLICANT | LIST O |                  |
|                            | APPLICATION NO. |       | ATTY DOCKET NO.   |                          |                 |                                       |        |                  |
| -                          | -               | oria  | , ,,  |                          |                 |                                       |        |                  |

PEDC-108698.1

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

RECEIVED RECEIVED

THE UNITED STATES PARKET AND TRADENARE OFFSTE

In re Application of:

C. BALLARD

Application No.: 08/917,761

Filed: August 27, 1997

FOR: REMOTE IMAGE CAPTURE WITH CENTRALIZED PROCESSING AND STORAGE

Group Art Unit: 36

Examiner:

Attorney Docket No.: 2269-003

SUBMISSION OF VERIFIED STATEMENT CLAIMING SMALL ENTITY STATUS

Assistant Commissioner for Patents Washington, D.C. 20231

sir:

assignee to complete the file of this application. Missing Parts of Application, enclosed Claiming Small Entity Status which has been signed by the Further to applicant's Response to Notice to File is a Verified Statement

Respectfully submitted,

Date

5/20/9

Allan A. Fanucci, Reg. No. 30,256

PENNIE & EDMONDS LLP 1667 K Street, N.W. Washington, D.C. 20006

(202) 496-4400

PEDC-115160.2

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Claudio R. BALLARD

Application No.: 08/917,761

Filed: August 27, 1997

Group Art Unit: 3

REMOTE IMAGE CAPTURE WITH CENTRALIZED PROCESSING AND STORAGE

Attorney Docket No.: 2269-003

# VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS [37 CFR 1.9(f) and 1.27(c)] - Small Business Concern

Assistant Commissioner for Patents Washington, D.C. 20231

I hereby declare that I am an official of the small business concern empowered to act in behalf of the concern identified below:

Lloyd Harbor, New York 11743 CSP Holdings, LLC 16 West Neck Court

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 37 CFR 1.9(d), for purposes of paying reduced fees under section 41(a) and (b) of Title 25, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the person employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern and/or there is an obligation under contract or law by the inventor(s) to convey rights to the small business concern with regard to the invention, entitled REMOTE IMAGE CAPTURE WITH CENTRALIZED PROCESSING AND STORAGE by Claudio R. BALLARD described in Application No. 08/917,761 filed August 27, 1997.

If the rights held by the above identified small business concern are not exclusive, each individual, concern or organization having rights to the invention is listed below and no rights to the invention are held by any person, other than the inventor, who could not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e).

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|  |                        |             | ADDRESS:   |
|  |                        |             | FULL NAME: |

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I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. [37 CFR 1.28 (b)]

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, and patent issuing thereon, or any patent to which this verified statement is directed.

Send correspondence to:

PENNIE & EDMONDS Lt.
1667 K Street, N.W.
Washington, D.C. 20006

Direct telephone calls to:

PENNIE & EDMONDS uz (202) 496-4400

| Date: May 18, 1998 | Sionamire: Plandes R | Address: | Tille: PRESIDENT | Name: |
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THE UNITED STATES PATENT AND TRADEMARK OFFICE

Ħ re Application of:

Claudio R. BALLARD

Application No.: 08/917,761

Filed: August 27, 1997

For: REMOTE IMAGE CAPTURE WITH CENTRALIZED PROCESSING AND STORAGE

> Group Art Unit: 3642

Examiner:

Attorney Docket 2269-003

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner Washington, D.C. 20231 for Patents

PTO-1449. application by the Examiner's completion and return of Form requested that listed on Examiner's review and consideration. 37 C.F.R. 1.56, enclosed are copies of 29 the enclosed Form PTO-1449. Pursuant to applicant's duty of disclosure under the references be made of The Ħ record in this references is respectfully references Ę O Ę the

to a Edmonds LLP Deposit Account No. 16-1150. fees be required, this submission since the references are being submitted prior first Office Action being issued in No fee or certification is believed to be due for however, please charge such fees the case. to Pennie & Should any

Respectfully submitted,

Date

Fanucci, Reg. No.

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\*Brace

PENNIE & EDMONDS LLP 1667 K Street, N.W. Washington, D.C. 20006

(202) 496-4400

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| NILIYT<br>BENWYX3.                     |                | HALLE MONENT NUMBER             | 0A7E                 | NAME  | —₽          |
| B                                      | D<br>D         | 4,201,978                       | 05/1980              | Nally   | 340         |
| SS.                                    | AB             | 4,264,808                       | 04/1981              | Owens et al.  | 235         |
| 38                                     | AC             | 4,326,258                       | 04/1982              | de la Guardia   | 364         |
| Sus                                    | Đ              | 4,417,136                       | 11/1983              | Rushby et al.   | 235         |
| Free                                   | Æ              | 4,457,015                       | 06/1984              | Nally et al.  | 382         |
| 228                                    | ¥              | 4,523,330                       | 06/1985              | Cain  | 382         |
| 3                                      | AG             | 4,555,617                       | 11/1985              | Brooks et al.   | 235         |
| Z.                                     | ≩              | 4,680,803                       | 07/1987              | Difella   | 382         |
| 126                                    | ≥              | 4,747,058                       | 05/1988              | Но  | 364         |
| 12/2                                   | ₹              | 4,888,812                       | 12/1989              | Dinan et al.  | 382         |
| 32                                     | ķ              | 5,091,968                       | 02/1992              | Higgins et al.  | 382         |
| 828                                    | ≱              | 6,159,548                       | 10/1992              | Caslavka  | 364         |
| 1/2                                    | ₹              | 5,175,682                       | 12/1992              | Higashiyama et al.  | 364         |
| 3                                      | ž              | 5,187,750                       | 02/1993              | Behera  | 382         |
| 3                                      | ð              | 5,204,811                       | 04/1993              | Bednar et al.   | 364         |
| 38                                     | ₽              | 5,237,158                       | 08/1993              | Kern et al.   | 235         |
| 3                                      | å              | 5,274,567                       | 12/1993              | Kallin et al.   | 364         |
| SA.                                    | A              | 5,321,238                       | 06/1994              | Kamata et al.   | 235         |
| <b>3</b>                               | S.             | 5,345,090                       | 09/1994              | Hludzinski  | 250         |
| 3                                      | AT             | 5,444,794                       | 08/1995              | Uhland, Sr.   | 382         |
| CA.                                    | AU             | 5,506,691                       | 04/1996              | Bednar et al.   | 358         |
| S/W                                    | 2              | 5,544,043                       | 08/1996              | Miki et al.   | 364         |
| \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ | ΑW             | 5,602,936                       | 02/1997              | Green et al.  | 382         |
| *                                      | ×              | 5,673,333                       | 09/1997              | Johnston  | 382         |
| 1                                      | Ą              | 5,751,842                       | 05/1998              | Riach et al.  | 382         |
| 12/2                                   | ₽Z             | 5,754,673                       | 05/1998              | Brooks et al.   | 382         |
| 8                                      | BA<br>A        | 5,781,654                       | 07/1998              | Carney  | 382         |
| ESS.                                   | 88             | 5,784,503                       | 07/1998              | Bleecker, ill et al.  | 382         |
| 8                                      | BC.            | 5,787,403                       | 07/1998              | Randle  | 705         |
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ō Sal Cangialosi, Examiner

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901 East Cary Street
Richmond, Virginia 23219-4030
Telephone/TDD (804) 775-1000 • Fax (804) 775-1061 One James Center

Direct Dial: (804) 775-4388 Mark A. Taylor

October 2, 1998

### VIA FASCIMILE (703) 308-9051 Assistant Commissioner for Patents

Washington, D.C. 20231 Box Non-Fee Amendment

Dear Sir:

of: Transmitted herewith for filing is a Submission in connection with the putent application

Inventors:

For

Claudio R. Ballard
REMOTE IMAGE CAPTURE WITH

CENTRALIZED PROCESSING AND STORAGE

August 27, 1997

08/917,761

Cangialosi, Sal 2642 2766 2000976-0009

Examiner: Serial No.: Filing Date:

Attorney Docket No .: Art Unit:

Enclosed are:

Submission; Supplemental Power of Attorney; Statement Under 37 CFR 3.73(b);

The Commissioner is hereby authorized to charge any additional fees, which may be required, or credit any over payment to Account No. 13-0437.

Respectfully submitted,

Man ... Tourson

Mark A. Taylor Registration No. 35,706

cc: J. Michael Martinez
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Scriel No.: 08/917,761 application of:

Claudio R. Ballard

In the patent

Art Unit: 3642 August 27, 1997

Examiner: Cangialosi, Sal
Attorney Docket No.: 2000976-0009
For: REMOTE IMAGE CAPTURE WITH CENTRALIZED

PROCESSING AND STORAGE

Assistant Commissioner for Patents
Box Non-Fee Amendment

Washington, D.C. 20231

October 2, 1998

#### SUBMISSION

The undersigned herein respectfully submits the enclosed Supplemental Power of Attorney and accompanying Statement Under 37 CFR 3.73(b) for entry into the above captioned application. The enclosed Supplemental Power of Attorney does not revoke the to the attorneys listed in the enclosed Supplemental Power of Attorney. intended to supplement the presently assigned attorney powers by granting power of attorney present power of attorney assigned in the present application. Rather, the document is

The assignee's right to present the enclosed documents for entry in the present application is established by the enclosed Statement Under 37 CFR 3.73(b).

applicant. It will be noted that the enclosed documents are facsimile copies reflecting a true, original signature. The original documents will be filed once they are received from the

present application. It is therefore respectfully requested that the enclosed documents be entered in the

Respectfully submitted

Attorney for Applicant Registration No. 35,706 Mark A. Taylor

Assisstant Commissioner for Patents Serial No.: 08/917,761 October 2, 1998 Page No. 2

One James Center 901 East Cary Street 901 Eighmond, Virginia 23219-4030 Telephone: (804) 775-4338 Facsimile: (804) 698-2244 Correspondence directed to: Mark A. Taylor, Esquire McGuire Woods Battle & Boothe LLP

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cc: J. Michael Martinez, Esq.

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ek Candio R. Belleni, for Name A. Taylor - Medicky

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3 Attorney Docket No.: REMOTE DAAGE CAPTURE WITH CENTRALIZED PROCESSING AND STORAGE 2000975-0009

Washington, D.C. 20231 Commissioner for Patents.

### SUPPLEMENTAL POWER OF ATTORNEY

Thereby appoint J. Michael Martinez de Andino, Reg. No. 37,178; Mark A. Taylor, Reg. No. 35,766; Philip D. Lane, Reg. No. 41,140 and David E. Baker, 42,285, all attorneys of the firm of McGuire, Woods, Battle & Boothe LLP, One James Center, 901 East Cary Street, Richmond, Virginia 25219, telephone number (804) 1755-1033, as supplemental attorneys to prosecute the application identified above and transact all business in the Patent and Trademark Office connected therewith.

3.73(b) is enclosed I represent the assignee of record of the entire interest. A cerunicate under 37 CFR Section

Respectfully submitted Charles REsident

Claudic R. Ballard

President

CSP Holdings, I.LC

McGuire Woods Battle & Boothe LLP Correspondence cireated to: J Michael Martinez de Andino, Esquire

901 East Cary Street
Richmond, Virginia 27219-4030
Telephone, (804) 775-1033
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in the patent

application of: Claudio R. Ballard

Serial No.

08/917,761

Art Unit

August 27, 1997

Attorney Docket No.: 2000976-0009 Examirer

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3642 Carter, M

REMOTE IMAGE CAPTURE WITH CENTRALIZED PROCESSING AND STORAGE

Washington, D.C. 20231 Commissioner for Patents

### SUPPLEMENTAL POWER OF ATTORNEY

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Office connected therewith, prosecute the application identified above and transact all business in the Patent and Trademark firm of McGuire. Woods, Battle & Boothe LLP, One James Center, 901 East Cary Street. Richmond, Virginia 23219, telephone number (804) 775.:033, as supplemental attorneys to I hereby appoint J. Michael Martinez de Andino, Reg. No. 37,178; Mark A. Taylor, Reg. No. 35,766; Philip D. Lane, Reg. No. 41,140 and David E. Baker, 42,285, all attorneys of the

3.73(b) is enclosed I represent the assignee of record of the entire interest. A certificate under 37 CFR Section

Respectfully submitted

President Claudic R. Ballard Manda REMAND

CSP Holdings, LLC

Richmond, Vinginia 23219-4030 Telephone: (804) 775-1033 Michael and Supplemental Devent of Airy dec 901 East Cary Street One James Center McGuire Woods Battle & Boothe LLP J. Michael Martinez de Andino, Esquito Correspondence cirected to:

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### Certification Under 37 C.F.R. 3.73(b)

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ENCLOSED FOR SUBMISSION FOR REMOTE IMAGE CAPTURE WITH
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In the patent

application of:

Claudio R. Ballard

08/917,761

Serial No

August 27, 1997

Examiner

Attorney Docket No.: 2000976-0009 Ar Unit Carter, M

REMOTE IMAGE CAPTURE WITH CENTRALIZED PROCESSING AND STORAGE

Washington, D.C. 20231 Commissioner for Patents

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### SUPPLEMENTAL POWER OF ATTORNEY

Sir

Richmond, Virginia 23219, telephone number (804) 775-1033, as supplemental attorneys to prosecute the application identified above and transact all business in the Patent and Trademark firm of McGuire, Woods, Battle & Boothe LLP, One James Center, 901 East Cary Street, Thereby appoint J. Michael Martinez de Andino, Reg. No. 37,178, Mark A. Taylor, Reg. No. 35,766; Philip D. Lane, Reg. No. 41,140 and David E. Baker, 42,285, all attorneys of the Office connected therewith,

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Respectfully submitted

faudio R. Ballard

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CSP Holdings, LLC

McGuire Woods Battle & Boothe LLP J. Michael Martinez de Andino, Esquire Correspondence directed to:

One James Center

901 East Cary Street

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Richmond, Virginia 23219-4030 Telephone: (804) 775-1033 :Ricsi 1045ucharaniSupplemental Fower of Arty doc

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| Trite | President | Typed or printed name | Claudio R. Ballard | Date | september 30, 1998 Manillo UFALLO | The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee. |   | [   Copies of assignments or other documents in the chain of title are anaiched. | <ul> <li>Additional documents in the chain of title are listed on a supplemental sheet.</li> </ul> | The document was recorded in the Patent and Trademark Office at  Resi Frame or for which a copy thereof is attached. | 3. From: | Red Frame or for which a copy thereof is attached. | 2. From: | The document was recorded in the Patent and Trademark Office at Real Frame or for which a copy thereof is attached | 1. From: To: | 8. [ ] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below: | OR | A. $ \chi\rangle$ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel 9203. Frame 0.975, or for which a copy thereof is attached. | in the patent application/patent/deniffed above by vidue of either: | 2. I sn assignee of an undivided part interest | 1. Kill the assignee of the entire right, title, and interest, or | states that It is: | (Frame of Assignee) (Type of Assignee, e.g., corporation, pertnership, university, poyentment agency, etc.) | CSP Holdings, LLC | Entited REMOTE IMAGE CAPTURE WITH CENTRALIZED PROCESSING AND STORAGE | Application No./Patent No.: 08/917, 761 Filed Issue Date: August 27, 1997 | Applicant/PatentOwner Claudio R. Ballard |   |

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### MCGUREWOODS BATTLE & BOOTHE UP

Telephone/TDD (804) 775-1000 • Fax (804) 775-1061 One James Center
901 East Cary Street
Richmond, Virginia 23219-4030

Direct Dial: (804) 775-4388 Mark A. Taylor

October 8, 1998

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GROUP 210G OCT 1.5 1998

Box Non-Fee Amendment **Assistant Commissioner for Patents** 

Washington, D.C. 20231

Dear Sir:

Transmitted herewith for filing is a Submission in connection with the patent application

Inventors: Claudio R. Ballard

For:

CENTRALIZED PROCESSING AND STORAGE REMOTE IMAGE CAPTURE WITH

Filing Date: 08/917,761 August 27, 1997

Examiner: Serial No.: Cangialosi, Sal

Attorney Docket No.: Art Unit: 3642 2000976-0009

Enclosed are:

Submission;

Supplemental Power of Attorney; Statement Under 37 CFR 3.73(b);

required, or credit any over payment to Account No. 13-0437. Expression is a self-addressed stamped return.

The Commissioner is hereby authorized to charge any additional fees, which may be a self-addressed stamped return.

The Commissioner is hereby authorized to charge any additional fees, which may be a self-addressed stamped return.

House a Toylor Mark A. Taylor

Registration No. 35,706

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# N THE UNITED STATES PATENT AND TRADEMARK OFFICE

MADEMANTH the patent

application of: Claudio R. Ballard

Serial No.:

Filed: Art Unit: 3642 August 27, 1997

Examiner: Cangialosi, Sal

Attorney Docket No.: 2000976-0009

PROCESSING AND STORAGE REMOTE IMAGE CAPTURE WITH CENTRALIZED

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Box Non-Fee Amendment **Assistant Commissioner for Patents** 

Washington, D.C. 20231

October 8, 1998

SUBMISSION

Sir

herein respectfully submits the original signed documents that have been received from the applicant. Attorney documents and an accompanying Statement Under 37 CFR 3.73(b), the undersigned In furtherance of my Submission of October 2, 1998, of Supplemental Power of

It is respectfully requested that the enclosed be entered in the present application.

Respectfully submitted,

Mark A. Taylor Attorney for Applicant

Registration No. 35,706

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Richmond, Virginia 23219-4030 Telephone: (804) 775-4338 Facsimile: (804) 698-2244

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One James Center

McGuire Woods Battle & Boothe LLP

Mark A. Taylor, Esquire

Correspondence directed to:



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Telephone/TDD (804) 775-1000 • Fax (804) 775-1061 One James Center

J. MICHAEL MARTINEZ DE ANDINO Direct Dial No.: (804) 775-1033

Received

NOV 5- 1996

Director's Office E-mail Address Group 2770) jmmartin@mwbb.com

October 23, 1998

Assistant Commissioner for Patents Washington, D.C. 20231

Dear Sir:

Transmitted herewith is information regarding patent application of:

Received

Claudio R. Ballard Group 2700

Serial No∴ 3642 August 27, 1997 08/917,761

inventor:

Examiner: Art Unit: Cangialosi, Sal

REMOTE IMAGE CAPTURE WITH CENTRALIZED PROCESSING AND STORAGE

Enclosed herewith are:

★ Copy of Supplemental Power of Attorney as originally filed;
 ★ Petition to Make Special under 37 CFR § 1.182 and § 1.183;
 ★ Information Disclosure Statement with References;

PTO-1449 (modified);

Check in the amount of \$130.00;Certificate of Express Mail;and a Self-addressed, stamped return postcard

The Commissioner is hereby authorized to charge any additional fees, which may be required, or credit any overpayment to Account No. <u>13-0437</u>. Two additional copies of this sheet are attached.

Respectfully submitted

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Michael Martinez de Andino

Registration No. 37,178 Attorney for Applicants

Dated: October 23, 1998

www.mwbb.com

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JACKSONVILLE · MOSCOW · NORFOLK · RICHMOND · TYSONS CORVER · WASHINGTON · ZURICH (OF COUNSEL)

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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It he patent
Application of:
Claudio R. Ballard

Serial No.: 08/ 917,761 Filed: August 27, 1997

Art Unit: 3642
Examiner: Cangialosi, Sal

Examiner: Cangialosi, Sal
Attorney Docket No.: 2000976-0009

Director's Office Group 2700

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PROCESSING AND STORAGE REMOTE IMAGE CAPTURE WITH CENTRALIZED

Assistant Commissioner for Patents Washington, D.C. 20231

October 23, 1998

### PETITION TO MAKE SPECIAL AND ACCELERATE EXAMINATION UNDER 37 CFR SECTION 1.102(d)

Sir

application. Applicant herewith encloses the fee set forth in 37 CFR § 1.17(i) of \$130.00 The applicant herein respectfully petitions under 37 CFR § 1.102(d) and in accordance with MPEP § 708.02 VIII for the accelerated examination of the above captioned

a single invention, should the Office determine otherwise, the applicant respectfully requests that established telephone restriction practice be followed and that the undersigned be make an election without traverse. Since the applicant believes that all claims are directed to contacted regarding an election. Office determines that all the claims are not directed to a single invention, the applicant will It is believed that all claims are directed to a single invention. Nevertheless, if the determines that all the claims are not directed to a single invention.

A pre-examination search was conducted including the following classes/subclasses:

235/379; 235/380; 379/91; 379/96; 382/112; 382/115; 382/119; 382/137; 382/140; 382/284; 382/306; 382/395; 395/216; 395/217; 395/224; 395/226; 395/235; 395/236; 395/237; 395/238; 395/239; 395/240; 395/241; 395/242; 395/243; 395/244; 395/245; and 705/45.

claimed subject matter is patentable over the references which points out with the particularity required by 37 CFR Section 111(b) and (c) how the 1.98, filed concurrently herewith. The following is a detailed discussion of the references Disclosure Statement, including PTO Form 1449, and in accordance with 37 CFR 1.97 and encompassed by the claims of the above captioned application are included in an Information One copy each of the references deemed most closely related to the subject matter

Commissioner of Patents October 23, 1998 Page 2

from a central data processing subsystem and linked by communication network. computer. Nally '978 does not include any form of data access subsystem that is remote device is configured to read handwritten images from checks and store information in a bank optical character reader, a magnetic image character reader and a central processor. use in processing checks through the banking system. Included within the system are an provides the automatic reading of handwritten amount characters located on bank checks for Nally, U.S. Patent No. 4,201,978 is directed to a document processing system which The

and does not teach any form of electronic transaction or signature or biometric data capture at least one data processing subsystem. Owens et al. '808 is also limited to check processing electronic image processing of documents for accounting purposes, especially in a banking transmission of transactional data within or between one or more data access subsystems and environment. This patent does not teach or disclose a communication network for the Owens et al., U.S. Patent No. 4,264,808 is directed to a method and apparatus for

electronic data from credit cards, smart cards or biometric or signature data and does not display data. The Amemiya et al. '147 patent provides no arrangements for capturing transmits part of the data to a host system after the teller has confirmed and corrected the provide any systems for polling remote data access subsystems nor does it generate any the slip and a master unit installed for teller use receives and recognizes image data and customer reads a writing image on a deposit or withdrawal slip, recognizes certain items on processing transaction slips at a teller station. There, a terminal installed for use by a Amemiya et al. U.S. Patent No. 4,694,147 is directed to a terminal for use in a bank in Further, the system provides no data management nor any data access controller

such data in a central location. paper transaction data nor does it include any central data process system for processing, other bills. This device provides no remote data access subsystem for capturing and sending apparatus that allows a user to inquire about various transactions from an ATM machine and interface nor any biometric information interface and the device does not verify and store sending, verifying or storing the paper transaction data. Further, there is no signature conduct transactional steps based on information retrieved, such as paying power bills or Yoshida U.S. Patent No. 5,144,115 is directed toward a transaction-inquiring

the central identity data processing, verification and storage capabilities of the present to provide a credit card receipt remote from the point of credit card use and does not provide of a paper transaction data capture apparatus nor does it include any arrangement for telecommunications service and maintains billing records which are supplied at invention capturing signature data or biometric data. card is used at a location convenient to the consumer. This device does not include any form predetermined intervals to a receipt transmission computer. The primary use for the McClure written receipts at remote locations. This system is activated by charge cards and includes a 594 device is to provide a written receipt to credit card customers that is available after the McClure U.S. Patent No. 5,173,594 is directed to a receipt generator to produce The McClure '594 device is limited in operation

Commissioner of Patents October 23, 1998 Page 3

terminal such as cash register that reads certain information from the check. This inform is stored and the check information verified. A return transmission allows a check, once that a check goes through in "clearing" an issuing bank. The device provides a point of sale device is limited to its ability to verify and cancel checks at a point of sale. electronic or biometric data capture apparatus. The teaching of Higashiyama et al. '682 device does not include any form of signature capture apparatus nor does it include any has been put into a printer at the point of sale terminal, to be cancelled by the merchant. for processing checks received by a merchant. The device is intended to speed up the process Higashiyama et al. U.S. Patent No. 5,175,682 is directed to an apparatus and method This information This

magnetic strip or into smart cards. This information can be read by a data input device known as a "reader" in Ray et al. '751. This device sends the information to a processor provision in Ray et al. '751 for providing a signature interface or biometric interface. data nor does it store the data obtained beyond the verification process. Further, there is no image may be verified by a remote facility. This device does not capture paper transaction which includes a display to display the encoded image of the card holder. Additionally, the card verification. any provision for a paper scanner to capture signatures and other printed matter. Ray et al. U.S. Patent No. 5,321,751 is directed to a method and apparatus for credit There, a digital image of the credit card holder is encoded into the Nor is

Ray et al. U.S. Patent No. 5,436,970 is directed to the same type of image verification for credit cards that is the subject of Ray et al. '751 patent, and the comments directed to the Ray et al. '751 patent are equally valid when applied to the Ray et al. '970 patent

of an individual authorized to use the card. The second area is used to write data authorizing programs, state entitlement programs or the like. The Drexler et al. card includes two data to a central data processing system to verify and store the data. read the biometric data from the card and compare the data with data stored in a library. storage areas with one of the data storage areas including biometric identifying information the use of magnetic stripe cards for electronic benefit transfer system such as welfare device does not include any form of device for capturing and sending paper transaction data limited use of the card to obtain benefits. The Drexler et al. is for use with a reader that can Drexler et al. U.S. Patent No. 5,457,747 is directed to a system for deterring fraud in This

remote locations subsystem for processing, sending and verifying paper transaction data which is captured at passed from the remote site to the central site. In substantial contrast, the present application huge communication system requirements that would be necessary if images were to be records are kept. According to Bedmar et al. this has the advantageous effect of avoiding by a document processor and is concurrently transmitted to a central location where financial processing checks at remote sites. Included is a system for processing documents where provides a communication network for transmitting images to a central data processing images are captured and stored at the remote site while the codeline from a check is captured Bedmar et al. U.S. Patent No. 5,506,691 patent discloses a method and apparatus for

Commissioner of Patents October 23, 1998 Page 4

and system for capturing and verifying a handwritten signature. This device uses an image capture apparatus that takes certain measurements known as "act of signing measurements" at data or smart card data and does not maintain a central data processing subsystem for creates a checksum of the document that was signed which can be used at a later date to the time that the user signs the check. The result of this is that the signature capture module processing, sending, verifying and storing paper transaction data. management subsystem for maintaining various forms of captured data, such as biometric verify the document. The Smithies et al. system does not include any form of data Smithies et al. U.S. Patent No. 5,647,017 patent discloses a computer-based method

form of arrangement for capturing and sending paper transaction data nor does it include any means for processing, sending, verifying and storing any paper transaction data. identification of an individual primarily in the field of credit card use. A point of identity verification terminal is provided that includes an arrangement for inputting data presented by the point of verification and the database site is provided. This device does not include any image data unique to persons being identified. An arrangement for exchanging data between a particular individual. A database storage and retrieval site includes a plurality of digital However U.S. Patent No. 5,657,389 patent is directed to a system for positive

and that the present application be designated for accelerated examination. reference. Based on the above, it is respectfully requested that the present petition be allowed The undersigned has Power of Attorney in the present application. A copy of the Supplemental Power of Attorney document filed August 27, 1997 is enclosed for your

Respectfully submitted,

bran &

J. Michael Martinez de Andino Attorney for Applicant Registration No. 37,178

Correspondence directed to:
J. Michael Martinez de Andino, Esq.
McGuire Woods Battle & Boothe LLP
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901 East Cary Street
Richmond, Virginia 23219-4030
Telephone: (804) 775-1033
Facsimile: (804) 698-2106

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# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the patent

application of: Claudio R. Ballard

Senai No.: 08/ 917,761

An Unit 3642 August 27, 1997

Examiner. Carter, M. Attorney Docket No.: 2000976-0009

REMOTE IMAGE CAPTURE WITH CENTRALIZED PROCESSING AND STORAGE

Commissioner for Patents Washington, D.C. 20231

### SUPPLEMENTAL POWER OF ATTORNEY

22 to 115

No. 35,706; Philip D. Lane, Reg. No. 41,140 and David E. Baker, 42,285, all attorneys of the firm of McGuire, Woods, Battle & Boothe LLP, One James Center, 901 East Cary Street, Richmond, Virginia 23219, telephone number (804) 775-1033, as supplemental attorneys to Office connected therewith, prosecute the application identified above and transact all business in the Patent and Trademark I hereby appoint J. Michael Martinez de Andino, Reg. No. 37,178, Mark A. Taylor, Reg.

3.73(b) is enclosed. I represent the assignce of record of the entire interest. A certificate under 37 CFR Section

Respectfully submitted

Claudio R. Ballard

CSP Holdings, LLC President

J. Michael Martinez de Andino, Esquire McGuire Woods Battle & Boothe LLP Correspondence directed to:

One James Center

901 East Cary Street Richmond, Virginia 23219-4030 Telephone: (804) 775-1033 RICHII (A huchwun)Supplemenul Puner of July Jon

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the piters I P application of: 3 1998 Claudio R. Ballard

Serial Nation 4.784.0EWS Allows

Filed: Art Unit: August 27, 1997 3642

Examiner: Cangialosi, Sal Attorney Docket No.: 2000976-0009

For: REMOTE IMAGE CAPTURE WITH CENTRALIZED

PROCESSING AND STORAGE

Washington, D.C. 20231 Assistant Commissioner for Patents and Trademarks

October 23, 1998

## INFORMATION DISCLOSURE STATEMENT

Sir

In accordance with the applicant's duty of disclosure under 37 CFR § 1.97, enclosed is Form PTO-1449 listing patents discussed in the accompanying Petition to Make Special. Copies of the references listed on the Form PTO-1449 are enclosed herewith.

account, namely, Account No. 13-0437. No fees are believed to be due for the submission of this Information Disclosure Statement. Nevertheless, any fees required should be charged to the undersigned's deposit

Respectfully submitted

J. Michael Martinez de Andino Registration No. 37,178

Correspondence directed to:

23 to MM 68 100 CT

J. Michael Martinez de Andino, Esq. McGuire Woods Battle & Boothe LLP

One James Center

901 East Cary Street

Richmond, Virginia 23219-4030 Telephone: (804) 775-1033

Facsimile: (804) 698-2106

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| MENTS                                    | U.S. PATENT DOCUMENTS                             |   |
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| Examiner: Cangialosi, Sal                | •   | Sheet 1 of 2 Sheets                                   |
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|               | AF   | 5  | 1 | 7             | 5  | 6   | 8   | 2      | 12/29/92      | Higashiyama et al.    |       | 364   |
|               | AG   | 5  | 3 | 2             | 1  | 7   | 5   |        | 01/14/94      | Ray et al.            | i I   | 380   |
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## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

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| Examiner: Cangialosi, Sal        | ects   | Sheet 2 of 2 Sheets |
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| Serial Number: 08/917,761        | PATENT AND TRADEMARK OFFICE  | (Modified)          |
|                                  | 9 U.S. DEPT. OF COMMERCE   | Form PTO-1449       |

# OTHER DOCUMENTS (Including Author, Title, Date\*, Relevant Pages, Place of Publication\*\*)

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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 509. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

100

<sup>\*</sup> The date should include at least the month and year for a foreign application.

<sup>\*\*</sup>Place of Publication refers to name of publication in which the information being submitted was published



## Certification Under 37 C.F.R. 1.10

#### EXPRESS MAIL

certificate and check in the amount of \$130.00. PTO-1449 (modified); Self-addressed, stamped return postcard; express mail STORAGE (Attorney Docket No. 2000976-0009), Petition to Make Special under 37 CFR § 1.182 and § 1.183, Information Disclosure Statement with references; Form Enclosed herewith for application serial number 08/917/761 for Claudio R. Ballard for a REMOTE IMAGE CAPTURE WITH CENTRALIZED PROCESSING AND

"Express Mail" mailing Label No. EM395359236US

Date of Deposit 10/23/1998

date indicated above and is addressed to the Assistant Commissioner of Patents, Washington, D.C. 20231. I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the

Tonya M. Berger (Name of Person Mailing Paper or Fee)

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UNITEL CTATES DEPARTMENT OF COMMERCE Patent and Trademark Office ASSISTANT COMMISSIONER FOR PATENTS Washington, D.C. 20231

J. MICHAEL MARTINEZ de ANDINO, ESQ. McGUIRE, WOODS, BATTLE & BOOTHE, LLP ONE JAMES CENTER 901 EAST CARY ST. RICHMOND, VA. 23219-4030

> Mailed Nov 1 0 1998

Director's Office Group 2700

Paper No. 12

In re Application of Ballard
Appl. No.: 08/917,761
Filed: August 27, 1997
For: REMOTE IMAGE CAPTURE WITH CENTRALIZED

: DECISION ON PETITION TO : MAKE SPECIAL

PROCESSING AND STORAGE

37 CFR 1.102

identified application special. This is a decision on the petition under 37 CFR 1.102, filed October 23, 1998, to make the above-

procedure set forth in MPEP 708.02, Section VIII: Accelerated Examination Petitioner requests that this application be made special under the accelerated examination

MPEP 708.02, Section VIII, must be accompanied by: A grantable petition to make an application special under 37 CFR 1.102 and in accordance with

- (a) the required fee pursuant to 37 CFR 1.17(i),
- single invention, oral election without traverse should the PTO hold that the claims are not directed to a **e** a statement that all claims are directed to a single invention or an offer to make an
- <u></u> a statement that a pre-examination search has been made, listing the field of search,
- matter encompassed by the claims, and <u>a</u> one copy of each of the references deemed most closely related to the subject
- the claimed subject matter distinguishes over these references a detailed description of the submitted references and discussions pointing out how

The petition meets the requirements for special status.

For the above stated reasons, the petition is Granted

considered special for the subsequent action unless the applicant promptly makes a bona fide do so for the next action. Should the application be rejected, the application will not be with the examiner to accomplish this purpose. effort to place the application in condition for allowance, even if necessary to have an interview application, and the examiner should make a rigid search for such, the examiner is authorized to If the examiner can make this application special without prejudice to any possible interfering

of such application that the examiner has taken it out of turn because of a possible interference. If the examiner finds any intervening application for the same subject matter, the examiner should consider such application simultaneously with this application and should state in the official letter

Should an appeal be taken in this application or should this application become involved in an concerned, contingent like upon diligent prosecution by applicant. interference, consideration of the appeal and the interference will be expedited by all PTO officials

Upon allowance, this application will be given priority for printing. See MPEP 1309.

The petition is granted to the extent indicated

James J. Groody

(703) 308-5461

Technology Center 2700 Special Program Examiner

Communications and Information Processing



### Patent and Trademark Office UNITED STALES DEPARTMENT OF COMMERCE

Address: COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

08/917,761 APPLICATION NO. FILING DATE 08/27/97 BALLARD FIRST NAMED INVENTOR  $\Box$ ATTORNEY DOCKET NO. 2269-003

J. MICHAEL MARTINEZ DE A MCGUIRE, WOODS, BATTLE & ONE JAMES CENTER 901 EAST CARY STREET RICHMOND VA 23219-4043 ANDINO, ESQ. % BOOTHE, LLP

> 2746 CANGIALOSI, S ART UNIT EXAMINER PAPER NUMBER Ğ

 $\Box$ 

DATE MAILED:

12/29/98

proceeding. Please find below and/or attached an Office communication concerning this application or

Commissioner of Patents and Trademarks

PTO-90C (Rev. 2/95)

1. File Copy

| Office Action Summary  Signature  Application No. Applicant(s)  4/7,76 / Signature  Examiner  Signature  Group An Unit   |
|--|
| et t   |
| Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE  |
| - Extensions of time may be available under the provisions of 37 CFR 1.136(s). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  |
| Status  2 Responsive to communication(s) filed on /0/2 3/96  |
| ☐ This action is FINAL.  ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Exparte Quayle, 1935 C.D. 1.1; 453 O.G. 213.   |
| Disposition of Cialms    Solaim(s)   1-50  |
| Of the above claim(s) Is/are withdrawn from consideration.   |
| Claim(s) / 57  |
| and distribution of the contract of the contra |
| □ Claim(s) are subject to restriction or election requirement.   |
| Application Papers   |
| of Draftsperson's Pacorrection, filed on   |
| ☐ The specification is objected to by the Examiner.  ☐ The oath or declaration is objected to by the Examiner.   |
| Priority under 35 U.S.C. § 119 (a)-(d)   |
| □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 11 9(a)-(d). □ All □ Some* □ None of the CERTIFIED copies of the priority documents have been   |
| ☐ received in Application No. (Series Code/Serial Number) ☐ received in this national stage application from the International Bureau (PCT Rule 1 7.2(a)).   |
| *Certified copies not received:  |
| 10-1449, Paper No(s). 6,8 but-   |
| ©Notice of Reference(s) Cited, PTO-892 ☐ Notice of Informal Patent Application, PTO-152 ☐ Notice of Draftsperson's Patent Drawing Review, PTO-948 ☐ Other  |
| Office Action Summary  |
| N. Palent and Trademark Office   |

Art Unit: 2746

acti the ۲ basis The following for a11 obviousness ր. Ծ Ø quotation rejections OH, យ ហ U.S.C. 13 10 10 forth Ø 103 ij which this Offic forms

A patent may identically d section 102 o subject matte such that the obvious at the time the invention was obvious at the time the invention was to the fittle, if the differences between sot matter sought to be patented and the prior art that the subject matter as a whole would have been so at the time the invention was made to a persor of ordinary avillation. ally disclosed or described as se 102 of this title, if the differ matter sought to be patented and to which shall not 3. 8. 1. made. invention forth said subject be negatived a person בי בי ۲. ت been art not the are Åq

а О ф person were, section where Subject person. prior a H g matter devertersubrart only under substitle, shall not provide the subject the time subject subject matter the an invention was in obligation o d by another subsection prection (f) or (g) of section or called patentability under matter and the claimed inventables was made. of ass: (f) or ( assignment owned by t which section invention qualifies section 102 the the this same same

Ν Elander unpatentable Claims ወ a L ш over 9 50 are Zeidler Owens rejected (D) g al, Lee under Lawlor (O C† a L S Ð ₽ Œ al Ø 9 g w Pitroda 103 a þ, being View O th

S D process Figs methods comparison. invention verification readable Hach ۲ available and S 8 0 Hi ۲. 유 all Ċ Ħ apparatus t) M The Owens ω Pitroda (See μ. the ່ທ forms differences specific ä. noted et point the e H for al the (See last electronic Figs. network O Hi image broad Figs. between sale several ۲ based λ̈́q independent structure 'n Ļ 30, point the W 7, decades. O remote and and commerce above C H and 31) 9), sale host claims HOL and മ disclose Lawlor including кеу systems example, the substantially appear based (t claimed and 2 ď (See each pe be

Art Unit: 2746

the conventional cryptographic digital signal the intended conventional Elander et arrangement having ordinary skill in specific Lee et **Elander** wide art with standard the key-type in the primary pody claims al(See Figs. 1-3) et al(See Figs. transaction. some type of for Owens et respect to equivalents practice O K 0f comparison as now drafted prior Zeidler t 0 art the dependent item of evidence. key based al, and or Lee et al this art of what provide some H بر show encrypted financial networks would have been obvious to they Lawlor 5a and 5b) or Zeidler(See Figs.1-9) are overly broad with respect to is disclosed, are comparison to provide et al or Pitroda modified by claims no more remote because protocols. The Ø authorization based for authorization of it is conventional than deal with the similar deficiencies suggested It is noted the and person 9

since no copies Information O H the disclose references dated 2/4/98 was are supplied not considered

ď Salvatore Any inquiry concerning this Cangialosi а Н telephone communication should be directed number (703) 305-1837

SALVATORE CANGIALOSI
PRIMARY EXAMINER
ART UNIT 222

### NOTICE OF DRAFTPERSON'S PATENT DRAWING REVIEW

| the drawing fulfed (insert date) DD C / T / are: not objected to by the Draftperson under 37 CFR 1.84 or 1.152 | .152  |
|--|---|
| B  | objected to by the Draftperson under 37 CFR 1.84 or 1.152 as indicated below. The Examiner will require submission of new, corrected may be submission of new, corrected drawings must be submitted according to the instructions on the back of this notice. |
| I. DRAWINGS, 37 CFR 1.84(a): Acceptable estegories of drawings:  | <ol> <li>SECTIONAL VIEWS. 37 CFR 1.84(b)(3)</li> <li>Harrhing not indipaged for sectional portions of an object</li> </ol>  |
| Color drawing are not acceptable until petition is granted.  | Fig.(3)   |
| Pencil and non black ink is not permitted. Fig(s)  | Sectional designation should be noted with Arabic or Roman numbers. Fig.(s)   |
| 2 PHOTOGRAPHS. 37 CFR 1.84(b)  Photographs are not acceptable until petition is granted.                       | 8. ARRANGEMENT OF VIEWS, 37 CFR 1.84(j)   |
| 3 full tone sets are required. Fig(s)  | ———Words do not appear on a horizontal, left-to-right fashion when<br>page is either upright or turned, so that the top becomes the right   |
| Photographs not properly mounted (must brystol board or  | side, except for graphs, Fig (s)  |
| photographic double-weight paper), Fig(s)  Poor quality (half-tone), Fig(s)                                    | 3011  |
| 3. TYPE OF PAPER. 37 CER 1.84(e)   | <ol> <li>SCALE, 37 CFR 1.84(k)</li> <li>Scale not large enough to show mechanism without crowding</li> </ol>  |
|  | when drawing is reduced in size to two-thirds in reproduction.  |
| Fig. (8)  Erasures, alterations, overwritings, interlineations,  |   |
| folds, copy machine marks not acceptable. (too thin)   | Lines, numbers & lotters not uniformly thick and well defined.  |
| Mylar, vellum paper is not acceptable (too thin).  | clean, durable and black (poor line quality).   |
| Fig(s) Fig(s) Acceptable sizes:  | Fig.(s)   |
| 21.0 cm by 29.7 cm (DIN size A4)   | Solid black aress pale. Fig.(s)   |
| 21.6 cm by 27.9 cm (8 1/2 x 11 inches)   | Solid black shading not permitted. Fig.(s)  |
| All drawings sheets not the same size.   | Shade lines, pale, rough and blurred. Fig.(s)   |
| 5. MARGINS. 37 CFR 18.4(g): Acceptable margins:  | 12.NUMBERS, LETTERS, & REFERENCE CHARACTERS.<br>37 CFR 1.48(p)  |
| Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm Styre, A4 Styre  | Numbers and reference characters not plain and legible.   |
| Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm  | Figure legends are poor. Fig.(s)  |
| Marches not accompable. Finds:   | Numbers and reference characters not oriented in the same   |
| Top (7) Left (L)   | direction as the view, 37 CFR 1.84(p)(3) Fig (5)  |
| Right (R) Bottom (B)   | Numbers, letters and reference characters must be at least  |
| REMINDER: Specification may require revision to  | .32 cm (1/8 inch) in helght. 37 CFR 1.84(p)(3) Fig.(s)  |
| correspond to drawing changes.  Vieue connected by projection lines or lead lines.                             | 13. LEAD LINES: 37 CFR 1.34(q) Lead lines cross each other. Fig.(s)   |
| F.g. (s)   | Lead lines missing. Fig.(s)   |
| Partial views, 37 CFR 1.84(h)(2)   | 14. NUMBERING OF SHEETS OF DRAWINGS, 37 CFR 1.48(1)   |
| Brackets needed to show figure as one entity.  | Sheets not numbered consecutively, and in Ababic numerals   |
| Views not labeled separately or properly.  | organing with number 1, F18.(3)  15. NUMBERING OF VIEWS, 37 CFR 1,84(u)   |
| Fig.(s)  | Views not numbered consecutively, and in Abrabic numerals,  |
| Enlarged view not labeled separately or properly.  | beginning with number 1. Fig.(s)  |
| Fig.(s)  | 16. CORRECTIONS. 37 CFR 1.84(w)   |
|  | Corrections not made from F10-946 dated  [7. DESIGN DRAWINGS: 37 CFR 1.152  |
|  | Surface shading shown not appropriate. Fig.(s)  |
|  | Note thank shading not used for obtor contrast.   |
|  |   |
| COMMENTS   |   |
|  |   |
|  |   |
|  |   |
| 7 3 10   |   |
|  | 3   |
| ATTACHMENT TO PAPER NO. / 3  |   |
| PTO COPY   |   |

#### REMINDER

Drawing changes may also require changes in the specification, e.g., if Fig. I is changed to Fig. IA, Fig. IB, Fig. IC, etc., the specification, at the Brief Description of the Drawings, must likewise be changed. Please make such changes by 37 CFR 1.312 Amendment at the time of submitting drawing changes.

## INFORMATION ON HOW TO EFFECT DRAWING CHANGES

## 1. Correction of Informalities--37 CFR 1.85

File new drawings with the changes incorporated therein. The application number or the title of the invention, inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office is unable to match the drawings to the proper application, should be placed on the back of each sheet of drawings in accordance with 37 GFR 1.84(c). Applicant may delay filing of the new drawings until receipt of the Notice of Allowability (PTOL-37). Extensions of time may be obtained under the provisions of 37 GFR 1.136. The drawing should be filed as a separate paper with a transmittal letter addressed to the Drawing Review Branch.

#### 2. Timing of Corrections

Applicant is required to submit acceptable corrected drawings within the three-month shortened statutory period set in the Notice of Allowability (PTOL-37). If a correction is determined to be unacceptable by the Office, applicant must arrange to have acceptable correction resubmitted within the original three-month period to avoid the necessity as soon as possible. of obtaining as extension of time and paying the extension fee. Therefore, applicant should file corrected drawings

Failure to take corrective action within set (or extended) period will result in  ${f ABANDONMENT}$  of the Application

# Corrections other than Informalities Noted by the Drawing Review Branch on the Form PTO 948

of informalities, unless the examiner has approved the proposed changes the examiner before the application will be allowed. No changes will be permitted to be made, other than correction All changes to the drawings, other than informalities noted by the Drawing Review Branch,  ${f MUST}$  be approved by

"U.S. GPO: 1988-423-221/82100

|  |   |   |   |     | *   |                      |       |   |   |   |   |   | *            |                          |   |   |   |          |   |   |   |   |   |     |         |           |           | *            |                       |                            |                 |
|--|---|---|---|-----|---|----------------------|-------|---|---|---|---|---|--------------|--------------------------|---|---|---|----------|---|---|---|---|---|-----|---------|-----------|-----------|--------------|-----------------------|----------------------------|-----------------|
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|  |   |   |   | .*  |   |                      |       | - |   |   | - |   | DOCUMENT NO. |                          |   |   |   |          |   |   |   |   |   | 7 / | 9/1     | 4,578,530 | 4,500,750 | DOCUMENT NO. | :                     | Notice of References Cited |                 |
| * A copy of this refu<br>(See Manual of f  |   |   |   | . • | DOCUMENT (Including   |                      |       |   |   |   |   |   | DATE         | 71                       |   |   |   |          |   |   |   |   |   |     | 3/27/90 | 3/25/86   | 2/19/85   | DATE         |                       | rences Cited               |                 |
| A copy of this reference is not being funished with this Office action. (See Manuel of Patent Examining Procedure, Section 707.06(a).) |   |   |   |     | DOCUMENT (Including Author, Title, Source, and Perlinent Pages) | NON-PATENT DOCUMENTS |       |   |   |   |   |   | COUNTRY      | FOREIGN PATENT DOCUMENTS |   |   |   |          |   |   |   |   |   |     | 72 227  | 2010/101  | E Gonden  |              | U.S. PATENT DOCUMENTS | Examiner<br>S, C4          | Application No. |
| d with this Office action.<br>e, Section 707.05(a).)   |   |   |   |     | Pertinent Pages)  | NTS                  |       |   |   |   |   |   | NAME         | ENTS                     |   |   |   |          |   |   |   |   |   |     | 10 +    | VAP.      | 640       | NAME         | ITS                   | 919/05/                    | Applicant(s)    |
| Part of Paper No   |   |   |   |     |   |                      |       |   |   |   |   |   | CLASS        |                          |   |   |   |          |   |   |   |   |   |     | 0.8E.   | 280       | 380       | CLASS        | ,                     | Group Art Unit Page        | Mark            |
| ō į  |   | - |   |     | DATE  |                      |       |   |   |   |   |   | SUBCLASS     |                          |   |   |   |          |   |   |   |   |   | ,   | 77      | 0.0       | ┝         | SUBCLASS     |                       | of                         |                 |

U.S. Patent and Trademark Office PTO-892 (Rev. 9-96)

Part of Paper No.

\*U.S. GPO: 1997-417-381/62700



### MCGUIREWOODS BATTLE & BOOTHE 11.7

901 East Cary Street
Richmond, Virginia 23219-4030
Telephone/TDD (804) 775-1000 • Fax (804) 775-1061 One James Center

Direct Dial: (804) 775-4388 Mark A. Taylor

October 2, 1998

Box Non-Fee Amendment Assistant Commissioner for Patents

Washington, D.C. 20231

Dear Sir:

of: Transmitted herewith for filing is a Submission in connection with the patent application

For: Inventors:

REMOTE IMAGE CAPTURE WITH Claudio R. Ballard CENTRALIZED PROCESSING AND STORAGE

August 27, 1997 08/917,761

Serial No.: Filing Date:

Examiner:

Cangialosi, Sal

Attorney Docket No .: Art Unit:

Enclosed are:

Submission;

3642 2000976-0009

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BECEINED

Respectfully submitted,

required, or credit any over payment to Account No. 13-0437

The Commissioner is hereby authorized to charge any additional fees, which may be

Express Mail Certificate; and a self-addressed stamped return postcard.

Statement Under 37 CFR 3.73(b); Supplemental Power of Attorney;

Registration No. 35,706 Mark A. Taylor

cc: J. Michael Martinez

WRIC5V1104\buchanan\LaMelza\Trans for Submission 10-2-98.doc

www.mwbb.com

ALMATY + BALTIMOME + BRUSSELS + CHARLOTTE + CHARLOTTESTILLE + CHUMGO + JACKSONVILLE + MOSCOW + NORFOLK + RICHMOND + TYSONS CORNEK + WASHINGTON + ZÜRICH (OF COUNSE)

## IN THE UNITED STATES PATENT AND TRADEMARMECEPSED

THE STREET OF ICE in the patent

Claudio R. Ballard

Group 2700

application of

August 27, 1997

Filed

Serial No

Art Unit

Examiner Attorney Docket No.: 2000975-0009 Carter, M.

REMOTE IMAGE CAPTURE WITH CENTRALIZED

PROCESSING AND STORAGE

Commissioner for Patents Washington, D.C. 20231

## SUPPLEMENTAL POWER OF ATTORNEY

Thereby appoint J. Michael Martinez de Andino, Reg. No. 37.178, Mark A. Taylor, Reg. No. 35,766; Philip D. Lane, Reg. No. 41,140 and David E. Baker, 42,285, all attorneys of the firm of McGuire, Woods, Battle & Boothe LLP, One lames Center, 901 East Cary Street. Richmond, Virginia 23219, telephone number (804) 775-1033, as supplemental attorneys to prosecute the application identified above and transact all business in the Patent and Trademark Office connected therewith,

3.73(b) is enclosed. I represent the assignee of record of the entire interest. A certificate under 37 CFR Section

Respectfully submitted.

Claudic R. Bailard Claudio REsiden

CSP Holdings, LLC President

901 East Cary Street Richmond, Virginia 23219-4630 Telephone: (804) 775-1033 (8105-1154 hudumants:pplemental Power of Airy doc One James Centur J. Michael Martinez de Andino, Esquito McGuire Woods Bettle & Boothe LLP Correspondence directed to:



R. Ballard To Mark A. Taylor - McGu. - Woods.



Certification Under 37 C.F.R. 3.73(b)

EXPRESS MAIL

RECEIVED

and a self-addressed return postcard. Enclosed for filing is a Submission for NITROGEN OXIDES REDUCING AFTERCOOLER FOR TURBOCHARGED ENGINES, Supplemental Power of Attorney, and Statement Under 37 CFR 3.73(b), along with a transmittal letter

"Express Mail" mailing Label No. EM39538947US

Date of Deposit 10/1/98

1.10 on the date indicated above and is addressed to the Commissioner for Patents, Washington, D.C. 20231. I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R.

Diane F. Petree

(Name of Person Mailing Paper or Fee)

Signature of person mailing or fee

\\RIC5\\104\buchanan\\igenco\\Response expmail2.doc

1.40

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the patent

application of:

Claudio R. Ballard

Serial No.:

Art Unit:

08/917,761 August 27, 1997

Examiner: Cangialosi, Sal Attorney Docket No.: 2000976-0009

PROCESSING AND STORAGE

Washington, D.C. 20231 Box Non-Fee Amendment Assistant Commissioner for Patents

October 2, 1998

#### SUBMISSION

Sir

The undersigned herein respectfully submits the enclosed Supplemental Power of Attorney and accompanying Statement Under 37 CFR 3.73(b) for entry into the above captioned application. The enclosed Supplemental Power of Attorney does not revoke the to the attorneys listed in the enclosed Supplemental Power of Attorney. intended to supplement the presently assigned attorney powers by granting power of attorney present power of attorney assigned in the present application. Rather, the document is

The assignee's right to present the enclosed documents for entry in the present application is established by the enclosed Statement Under 37 CFR 3.73(b).

applicant. It will be noted that the enclosed documents are facsimile copies reflecting a true, original signature. The original documents will be filed once they are received from the

present application It is therefore respectfully requested that the enclosed documents be entered in the

Respectfully submitted,

Registration No. 35,706 Mark A. Taylor Attorney for Applicant

38 OCL - 3 BH S: PS

RECEINED

Correspondence directed to:
Mark A. Taylor, Esquire
McGuire Woods Battle & Boothe LLP
One James Center
901 East Cary Street
Richmond, Virginia 23219-4030
Telephone: (804) 775-4338
Facsimile: (804) 698-2244

cc: J. Michael Martinez, Esq

\RJC5\\104\buchanan\LaMc\za\Submission 10-2-98.doc

PROOF STUD 98 OCT -9 PM 2: L2 RECEIVED

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### MCGUIREWOODS BAITLE & BOOTHE LLP

901 East Cary Street
Richmond, Virginia 23219-4030
Telephone/TDD (804) 775-1000 • Fax (804) 775-1061 One James Center

Direct Dial: (804) 775-4338 Mark A. Taylor

RECEIVED

February 5, 1999

Via Express Mail, Receipt #EM395855898US

Box NON-FEE AMENDMENT Assistant Commissioner for Patents

Washington, D.C. 20231

Dear Sir:

December 29, 1998 in connection with the patent application of: Transmitted herewith for filing is an Amendment and Response to the Office Action dated

Claudio R. Ballard

Inventors: REMOTE IMAGE CAPTURE WITH

CENTRALIZED PROCESSING AND STORAGE

Filing Date: August 27, 1997 08/917,761

Serial No.:

Art Unit: Examiner: 2746 Cangialosi, S.

Attorney Docket No.: 2000976-0009

Enclosed are

X Amendment and Response;X Express Mail Certificate; ar Express Mail Certificate; and

a self-addressed stamped return postcard.

The Commissioner is hereby authorized to charge any additional fees, which may be required, or credit any over payment to Account No. 13-0437.

Respectfully submitted,

restros

Registration No. 35,706 Mark A. Taylór

cc: J. Michael Martinez
\RICS\\104\buchana\\LaMe\nend.respons trans.doc

ALMATY - BAITMORE - BRUSSEIS - CHARLOTTE - CHARLOTTE - CHICAGO - JACKSONTILE - MOSCOW - NORROLK - RICHMOND - TYSINS CORNER - WASHINGTON - ZRICH (OF COUNSE)



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.: Claudio R. Ballard 08/917,761 In the US Patent Application of:

Filed: Examiner: Art Unit: August 27, 1997

For: REMOTE IMAGE CAPTURE S. Cangialosi

Atty. Docket No .: 2000976-0009 PROCESSING AND STORAGE WITH CENTRALIZED

> RECEIVED Group 2700 FEB 1 1 1999

February 5, 1999

## AMENDMENT AND RESPONSE

BOX NON-FEE AMENDMENT Washington, D.C. Assistant Commissioner for Patents 20231

Sir

application: respectfully requested that the following amendments be entered in the present Responsive to the Office Action dated December 29, 1998, it is

In The Claims:

Please amend the claims as follows:

comprising: generation of remotely captured paper transactions from documents and receipts (Amended) A system for central management, storage and report

access controller for managing the capturing and sending of the transaction data; transaction data and subsystem identification information comprising at least one imaging subsystem for capturing the documents and receipts and at least one data one or more remote data access subsystems for capturing and sending paper

verifying and storing the paper transaction data and the subsystem identification at least one central data processing subsystem for processing, sending,

sending and storing of the of the transaction data; and information comprising a management subsystem for managing the processing

subsystem identification information and encrypted paper transaction data to the data one data processing subsystem, with the data access subsystem providing encrypted data within and between said one or more data access subsystems and said at least processing subsystem at least one communication network for the transmission of the transaction

steps of: of remotely captured paper transactions from documents and receipts comprising the (Amended) A method for central management, storage and verification

more remote locations and sending a captured image of the paper transaction data; collecting, processing, sending and storing the transaction data at a central managing the capturing and sending of the transaction data; capturing an image of [and sending] the paper transaction data at one or

data; managing the collecting, processing, sending and storing of the transaction

location;

within and between the remote location(s) and the central location. transmitting the transaction data and the subsystem identification information encrypting subsystem identification information and the transaction data; and

subsystems, said data processing subsystem including an imaging subsystem for communicate with a corresponding some of said one or more data processing subsystem communicate with a corresponding some of said at least one data capturing images of documents and receipts, comprising collecting subsystem and each of said at least one data collecting subsystem tiered architecture wherein each of said at least one central data processing intermediate data collecting subsystem and at least one central subsystem forming a within and between one or more remote data processing subsystems, at least one (Amended) A communication network for the transmission of data

N

at least one first local area network for transmitting data within a corresponding one of said one or more remote subsystems;

at least one second local area network for transmitting data within a

corresponding one of said at least one intermediate subsystem;

at least one third local area network for transmitting data within a corresponding one of said at least one central subsystem; and

one cen/ral subsystem. more remote subsystems, said at least one intermediate subsystem and said at least at least one wide area network for transmitting data between said one or

of the] remote subsystem[s] compa ising the steps of: with at least one [a corresponding some of the] intermediate subsystem[s] and each sursystem in a tiered manner wherein each of the central subsystems communicate more remote subsystems, at least one intermediate subsystem and at least one central nthe intermediate subsystems communicate with at least one [a corresponding some (Amended) A method for transmitting data within and between one or

transmitting data within the remote locations; capturing an image of documents and receipts and extracting data therefrom:

transmitting data from each remote location to corresponding intermediate

location;

transmitting data within the intermediate locations

transmitting data from each intermediate location to corresponding central

locations; and

transmitting data within the central locations

#### REMARKS

the foregoing amendments and the following remarks Reconsideration of the present application is respectfully requested in light of

of December 28, 1998, claims 1-50 stand rejected. More specifically, claims 1-50 Claims 1-50, are presented in the present application. By the Office Action

al, or Pitroda in view of Elander et al. or Zeidler or Lee et al. were rejected under 35 U.S.C. § 103 as being obvious over Owens et al., Lawlor et

taken individually or in combination. the claims of the present application are patentably distinct over these references, Applicant respectfully traverses this rejection and asserts to the contrary that

granting and participating in a telephonic interview on February 2, 1999. A greater the Examiner's suggestions during the interview. understanding of the issues was achieved and this amendment is in accordance with Applicant appreciates the courtesy extended to him by the Examiner in

present invention over any of Owens et al., Lawlor et al., Pitroda, Elander et al., present application presents amended claims 1, 26, 42 and 46 that clearly define the transaction data, with encrypted communication between subsystems. Therefore, the network for document processing based on a remote image capture of paper Zeidler or Lee et al, taken individually or in any combination. As discussed, none of the cited references disclose, teach or suggest a secure

considered allowable since they depend from allowable independent claims. Claims 2-25, 27-41, 43-45 and 47-50 are dependent claims which are now

and passed to issue. for allowance and it is respectfully requested that the present application be allowed Applicant respectfully asserts that the present application is now in condition

issues in a timely manner. respectfully requested that the Examiner telephone the undersigned to resolve those Nevertheless, should the Examiner have any further issues to discuss, it is

Respectfully submitted

Mark A. Taylor Attorney for Applicant Registration No. 35,706 Telephone: (804) 775-4338

Fax: (804) 698-2244

4

Please direct all correspondence to:
J. Michael Martinez de Andino, Esquire
McGuire Woods Battle & Boothe LLP
One James Center
901 East Cary Street
Richmond, VA 23219-4030
Telephone: (804) 775-1033
Fax: (804) 698-2106

\\RIC5\\I04\buchanan\LaMelza\DTCResponse3.doc

Ś



Certification Under 37 C.F.R. 1.10

#### EXPRESS MAIL

Enclosed for filing is an Amendment and Response to the Office Action dated December 29, 1998 in connection with the patent application of Claudio R. Ballard for a REMOTE IMAGE CAPTURE WITH CENTRALIZED PROCESSING AND STORAGE (Attorney Docket No. 2000976-0009), along with a transmittal letter, express mail certificate and a self-addressed stamped return postcard

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Date of Deposit 02/05/1999

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Tonya M. Berger

(Name of Person Mailing Paper or Fee)

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| First Named | 08/917,761 08/27/97 050 CANGIALOSI, S 2746 | APPLICATION NO. FILING DATE TOTAL CLAIMS EXAMINER AND GROUP ART UNIT D. |
|-------------|--|---|
|             | 2746 02/23/99                              | DATE MAILED   |

INVENTION SEMOTE HEART CAPTURE HLIM CENTRAL 17ED PROCESSING AND

STORAGE

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THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.

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ephone/TDD (804) 775-1000 • Fax (804) 775-1061

J. MICHAEL MARTINEZ DE ANDINO
(804) 775-1033

February 25, 1999

VIA EXPRESS MAIL

LABEL NO.: EM395358244US

Assistant Commissioner for Patents Box ISSUE FEE

Washington, D. C. 20231

Re: Issue Fee Payment - CSP Holdings, LLC Claudio R. Ballard - Serial No. 08/917, 761 C/M #: 2000976-0009

Dear Sir:

Transmitted herewith for filing is the Issue Fee for the Patent Application of

Inventor: Claudio R. Ballard

For: REMOTE IMAGE CAPTURE WITH CENTRALIZED PROCESSING

AND STORAGE

August 27, 1997

Filed:

Serial No: 08/917,761

Enclosed are:

Issue Fee Transmittal;

Check number 628214 in the amount of \$605.00 for fees;

self-addressed stamped return postcard; and

a Certificate of Mailing.

Respectfully submitted,

J. Michael Martinez de Andino Reg. No. 37,178

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J. MICHAEL MARTINEZ DE A MCGUIRE, WOODS, BATTLE A ONE JAMES CENTER 901 EAST CARY STREET RICHMOND VA 23219-4043 LM41/0223 ANDINO, ESQ. % BCOTHE, LLF

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APPLICATION NO: 08/917,761 BALLARD FILING DATE 08/27/97 TOTAL CLAIMS © (Л) USC 154(b) CANGIALOSI, EXAMINER AND GROUP ART UNIT t or s (j) ЮХt. П 0 Days. 2746 DATE MAILED 02/23/9

MAENLION TILLE OF

REMOTE IMAGE CAPTURE WITH CENTRALIZED PROCESSING AND STORAGE

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APPLICATION NO. 08/917, BALLARD, 761 FILING DATE 08/27/97 TOTAL CLAIMS 050 3.5 08U CANGIALOSI, 154 (b) ters ext. O) 2746 Days. DATE MAILED 02/23/9

INVENTION First Named Applicant

REMOTE IMAGE CAPTURE E T CENTRALIZED PROCESSING AND UNA STORAGE

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Has received an application for a patent for a new and useful invention. The ville and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention thall be granted under the law.

Therefore, this

#### United States Patent

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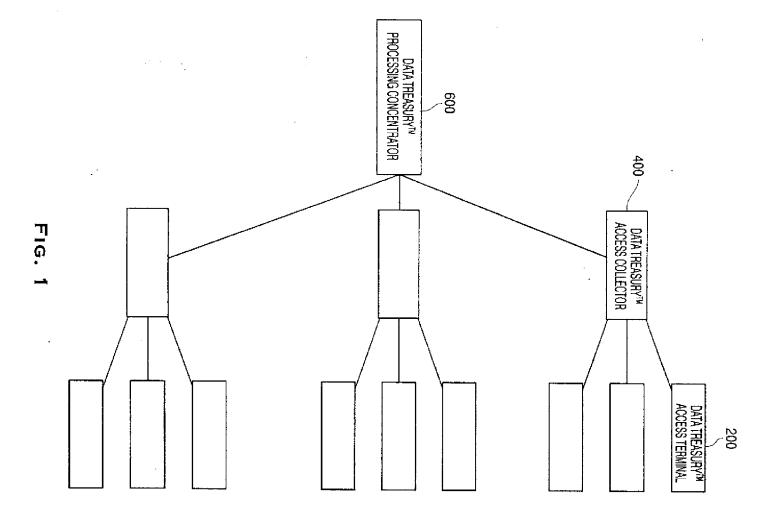
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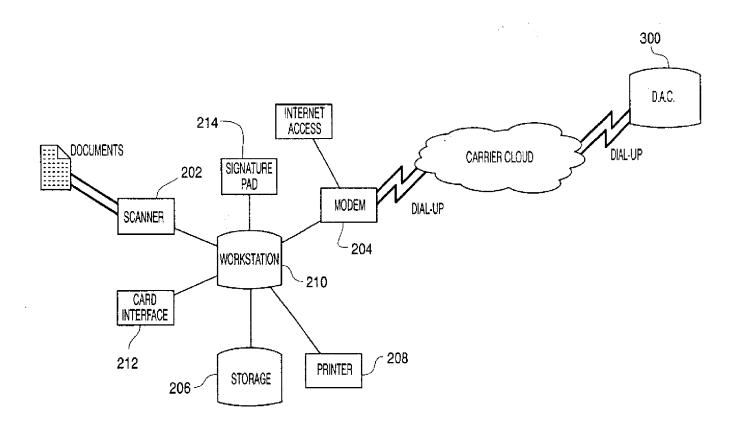


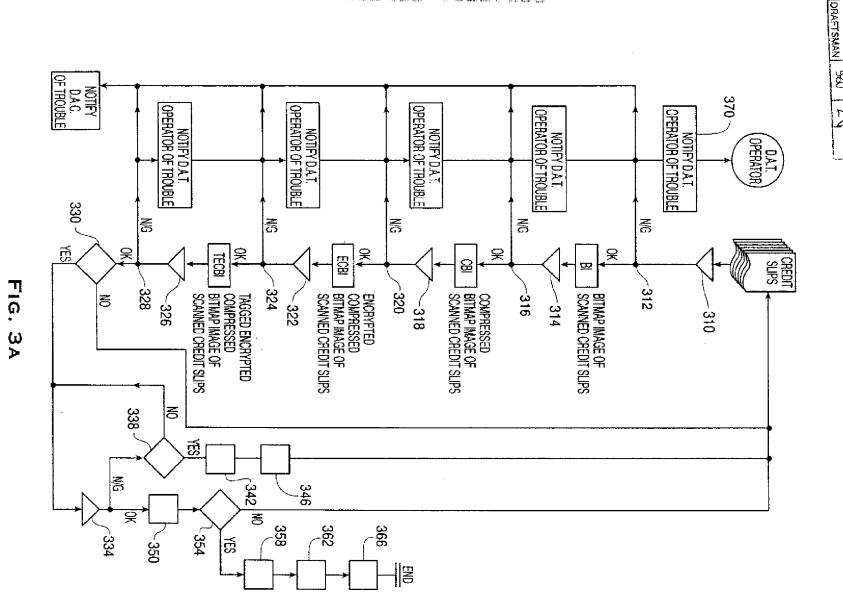
Fig. 2

D 066869

APPROVED

O.G. FIG3A

**8** 



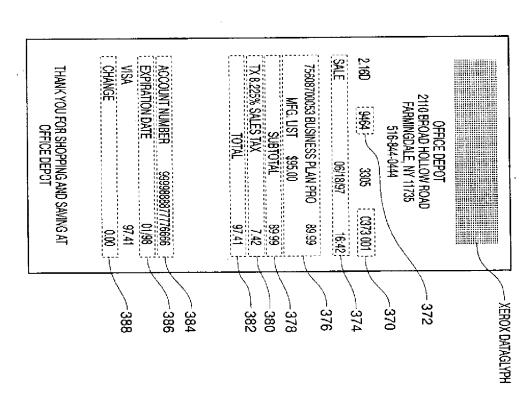
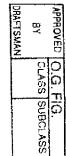


FIG. 3B



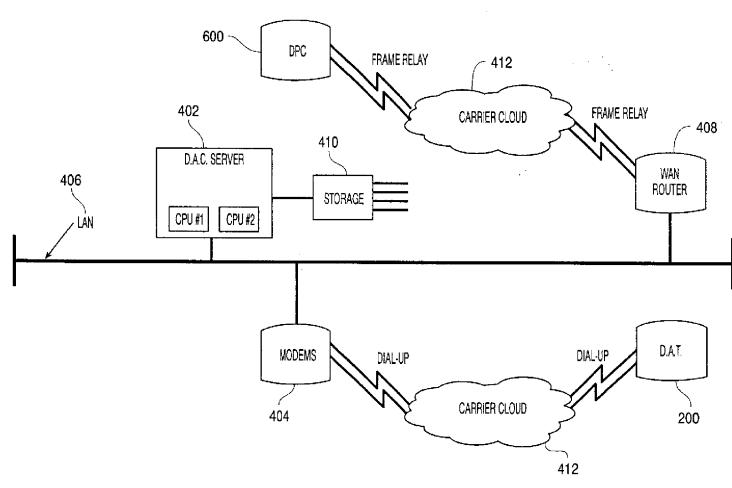
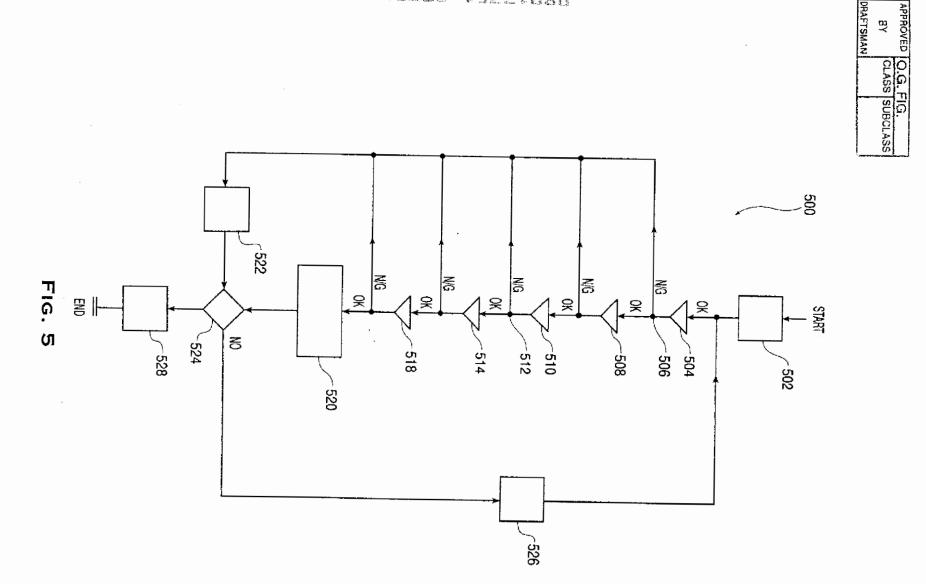


FIG. 4

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D 066873

DRAFTSMAN

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O.G. FIG.

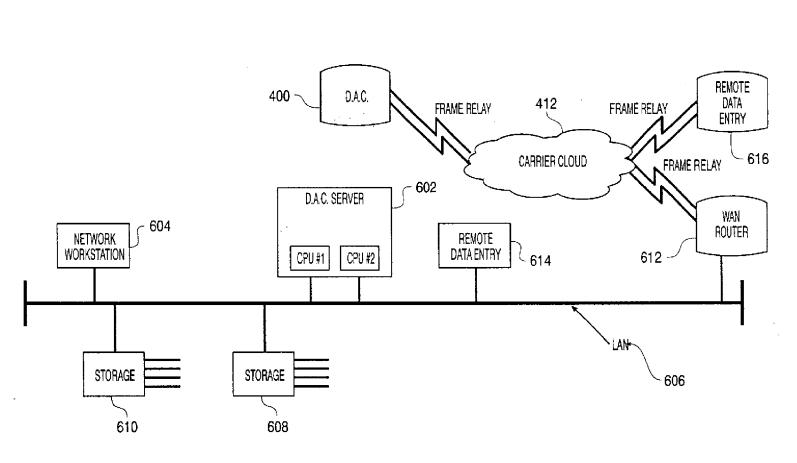
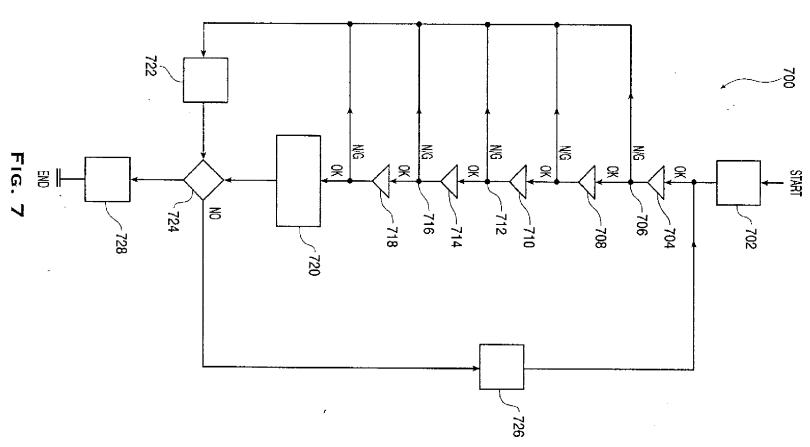


Fig. 6







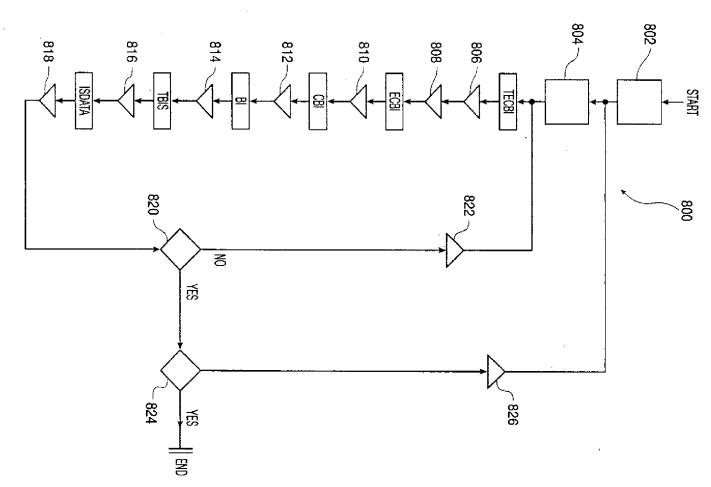
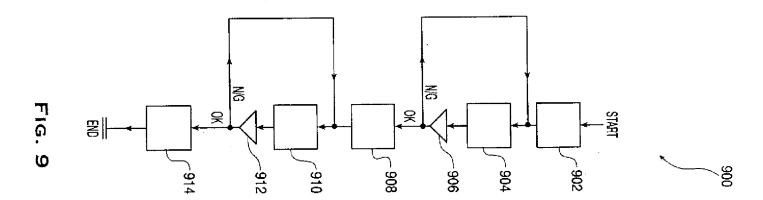


Fig. 8

| DRAFTSMAN | ВΥ       | APPROVED |
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|           | SUBCLASS | ୍ଦି      |





# CERTIFICATE OF CORRECTION OF OFFICE MISTAKE



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent No.: 5,910,988 Inventors: Claudio R. Ballard Serial No.: 08/917,761

Examiner: S. Cangialosi Group Art Unit: 2746

Issued: June 8, 1999 For: REMOTE IMAGE CAPTURE WITH CENTRALIZED PROCESSING AND

STORAGE

Washington, D.C. 20231 Commissioner for Patents and Trademarks

> SEP 1999

REQUEST FOR CERTIFICATE OF CORRECTION PURSUANT TO 37 C.F.R. 1.322

Dear Sir:

Transmitted herewith is a Certificate of Correction for U.S. Patent 5,410.988 issued on June 8, 1999. Upon reviewing the issued patent, the following errors were noted and should be corrected as follows:

insert -- 5,602,936--. On the title page, section marked [56] References Cited: Delete "4,602,936 and

On the title page, section marked [57] Abstract: Delete "Locations" after the words more remote and insert --location--.

Page 28, Line 23: Delete "subsystems" after the word remote and insert --subsystem--Page 9, Line 35: Delete "3i band" after the word FIG. and insert -- 3b and --Page 4, Line 26. Delete "(DACS)" after the word Collectors and insert -- (DACs)--

Page 2 June 16, 1999 Commissioner for Patents : Trademarks

Since this information was included with the original application as filed on August 27, 1997, this omission is the result of a Patent and Trademark Office error and no fee is due (35 U.S.C. §254).

Respectfully submitted,

Attorney for Applicant Reg. No.: 37,178 Michael Martinez de Andino

One James Center 901 East Cary Street Richmond, VA 23219-4030 McGuire, Woods, Battle and Boothe LLP





One James Center
901 East Cary Street
Richmond, Virginia 23219-4030
Telephone/TDD (804) 775-1000 • Fax (804) 775-1061

J. Michael Martinez de Andino

Direct Fax No.: (804) 698-2106

Direct Dial No.: (804) 775-1033

jmmartin@mwbb.com E-mail Address:

June 16, 1999

### Express Mail EL190712203US

Commissioner for Patents and Trademarks Washington, D.C. 20231

Dear Sir.

999 S & NUL 

ur Sir: Transmitted herewith for filing is a Request for Certificate of Correction for the patent of

Inventor

Claudio R. Ballard
REMOTE IMAGE CAPTURE WITH CENTRALIZED

PROCESSING AND STORAGE

Patent No.: 5,910,988

Date of Issue: June 8, 1999 08/917,761

Examiner: Serial No.: Art Unit: 2746 S. Cangialosi

Atty. Docket No.: 2000976-0009

Enclosed are:

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Respectfully submitted,

CLAUDIO R. BALLARD

By: McGuire, Woods, Battle & Boothe LLP

Michael Martinez de Andino

Attorney Reg. No. 37,178

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## UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 5,910,988

DATED June 8, 1999

INVENTOR(S): Claudio R. Ballard

hereby corrected as shown below: It is certified that error appears in the above-identified patent and that said Letters Patent are

On the title page: Section (56) References Cited Delete "4,602,936" and insert --5,602,936-(
3On the title page: Abstract Delete"Locations" after the words more remote and insert --locations.

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PATENT NO.

5,910,988

McGuire, Woods, Battle & Boothe LLP 901 East Cary Street J. Michael Martinez de Andino

Richmond, Virginia 23219

FORM PTO-1050 (REV. 3-75) (Modified) Copyright 1984 Legalsoft P15/REV01



|  | ===  | Α  | MEN            | IDMI   | ENT C                                       |                     | A                              | MEN         | 1DM            | ENT B                                       |                     |                       | MEI         | MDM    | ENT A                                       |                                | ≖<br>:÷  | MOL:                             | NDE                | TOTA         | BASIC  | FOR          |                               |   |
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| The "Highest Number 1970, 1975, 1970, 1975 | the entry in colun   | FIRST PRES                                     | Independent    | Total  |   |                     | FIRST PRES                     | Independent | Total          |   |                     | FIRST PRES            | Independent | Total  |   |                                | e difference in col  | CIPLE DEPENOL                    | INDEPENDENT CLAIMS | TOTAL CLAIMS | CFEE   |              |                               | PATENT A                                      |
| per Previously Pai   | nn 1 is less than the Previously Pa  | SENTATION OF                                   | *              | *      | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT   | (Column 1)          | FIRST PRESENTATION OF MULTIPLE | *           | *              | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT   | (Column 1)          | FIRST PRESENTATION OF |             | *      | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT   | CLAIMS AS AMENDED - (Column 1) | If the difference in column 1 is less than zero, enter "0" in column | MULTIPLE DEPENDENT CLAIM PRESENT | IMS L              | .57          |        | NUMBE        | CLAIMS AS FILED<br>(Co)umn 1) | PPLICATIO                                     |
| d For" (Total or   | he entry in column for the entry in column in the entry i | = MULTIPLE                                     | Minus          | Minus  |   |                     |                                | Minus       | Minus          |   |                     | MULTIPLE              | Minus       | Minus  |   | AMENDED                        | zero, enter "0" in   | SENT                             | minus 3            | minus        |        | NUMBER FILED |                               | TION FEE DETERMI<br>Effective October 1, 1997 |
| id For" (Total or Independent) is the  | ** If the entry in column 1 is less than the entry in column 2, write "0" in column 3.  ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."  *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."  ADDIT. FEE  OR AD   | FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM | )+<br>30<br>34 | *      | HIGHEST<br>NUMBER<br>PREVIOUSLY<br>PAID FOR | (Column 2)          | DEPENDENT CLAIM                | **          | *              | HIGHEST<br>NUMBER<br>PREVIOUSLY<br>PAID FOR | (Column 2)          | DEPENDENT CLAIM       | *           | *      | HIGHEST<br>NUMBER<br>PREVIOUSLY<br>PAID FOR | Ιv                             | column 2   |                                  | 3=                 | 20=          |        | NUMBER EXTRA | PART I                        | PATENT APPLICATION FEE DETERMINATION RECORD   |
| the highest number to  | lumn 3.<br>n 20, enter "20."<br>n 3. enter "3."  | AIM  | 11             | if     | PRESENT<br>EXTRA                            | (Column 3)          | AIM                            | II          | 11             | PRESENT<br>EXTRA                            | (Column 3)          | AIM                   | ji          | II     | PRESENT<br>EXTRA                            | (Column 3)                     |  |                                  |                    |              |        | EXTRA        | Column 2)                     | ION RECO                                      |
| und in the appro   | TOTAL<br>ADDIT, FEE  | +135=  | x41=           | x\$11= | RATE  | TOTAL<br>ADDIT. FEE | +135=                          | x41=        | x\$11=         | RATE  | TOTAL<br>ADDIT. FEE | +135=                 | x41=        | x\$11= | RATE  | SMALL                          | TOTAL  | +135=                            | x41=               | x\$11=       | No. of | RATE         | SMALL                         |   |
| priate box in  |  |  |                |        | ADDI-<br>TIONAL<br>FEE                      |                     |                                |             |                | ADDI-<br>TIONAL<br>FEE                      |                     |                       |             |        | ADDI-<br>TIONAL<br>FEE                      | SMALL ENTITY                   |  |                                  |                    |              | 395.00 | FEE          | ENTITY                        | Application or Docket Number                  |
| column   | ОВ   | OR.  | 유              | OR.    |   | 93                  | OR                             | OR          | O <sub>R</sub> |   | OR<br>N             | OR.                   | OR          | OR     |   | о <u>я</u>                     | OR   | OH<br>H                          | 유                  | 유            | OR     |              | SH SH                         | Dock  |
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| und in the appropriate box in column 1.  |  |  |                |        | ADDI-<br>TIONAL<br>FEE                      |                     |                                |             |                | ADDI-<br>TIONAL<br>FEE                      |                     |                       |             |        | ADDI-<br>TIONAL<br>FEE                      | OTHER THAN                     | <i>153</i> 2   |                                  | D                  | 660          | 790.00 | FEE          | THAN<br>ENTITY                |   |

| CPH 7   | CONT STATUS CODE CODE  | 8698 U.S. PTO<br>08/917161<br>開催期期間開業     | **;<br>Form PTO 1130<br>(FEV 2094)                              |
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| FOREIGN COLCLAIMED COL  | PARENT APPLICATION SERIAL NUMBERS  | APPLICATION NUMBER 200                    | PAC   |
| Case 2 04-cv=00085-E  | Document 3800 File   | MBED /2006                                | 93 of 82 82 PACE DATA ENTRY CODING SHEET                        |
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|   | PARENT FILING DATE  TH DAY YEAR  | SHEETS OF DRAWING                         |   |

| CITY                                   | FAMILY NAME            | спту  | GIVEN NAME | AUTHORITY CODE                       |       |       |                                 |                               |          |                    |
|--|------------------------|-------|------------|--------------------------------------|-------|-------|---------------------------------|-------------------------------|----------|--------------------|
| ************************************** | V-0008 STATE/CTRY CODE | 85-DF |            | APPLICANT/INVENTOR DATA  NAME SUFFIX | nt 38 | Filed | CORRESPONDENCE NAME AND ADDRESS | ATTORNEY REGISTRATION NUMBERS | 83 of 93 | TITLE OF INVENTION |

| ######################################   | 05/1998 Brooks et al<br>07/1998 Carney<br>07/1998 Bleecker, III |
|--|---|
| 4,201,978 05/198 4,201,978 05/198 4,264,808 04/198 4,4417,136 11/198 4,555,617 11/198 4,680,803 05/198 4,888,812 12/198 5,159,548 02/199 5,1274,567 12/199 5,237,158 08/1993 5,237,158 08/1993 5,237,158 08/1993 5,244,794 08/1993 5,5602,936 02/1997 5,751,842 05/1998 5,751,842 05/1998 5,751,842 05/1998 5,754,673 05/1998 5,784,673 05/1998 5,784,673 05/1998  | +   |
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| 4,201,978 05/198 4,264,808 04/198 4,326,258 04/198 4,4417,136 11/198 4,523,330 06/198 4,555,617 11/198 4,680,803 07/198 4,888,812 12/1998 5,176,682 12/1993 5,176,682 12/1993 5,204,811 04/1996 5,237,158 08/1993 5,274,567 12/1993 5,321,238 06/1994 5,345,090 09/1994 5,5602,936 02/1996 5,602,936 02/1997   | 09/1997   |
| ### DEMANDER   DATE   #### A,201,978   05/198   #### A,201,978   04/198   ##### A,264,808   04/198   ##### A,326,258   04/198   ####################################   | 02/1997   |
| ### DEMANDEM DATE  4,201,978  4,201,978  4,264,808  4,326,258  4,417,136  4,417,136  4,523,330  4,523,330  4,680,803  711/198  4,888,812  10/198  5,175,682  5,175,682  5,175,682  5,175,682  5,175,682  5,175,682  5,175,682  5,175,682  5,175,682  6,187,750  6,237,158  6,237,15 | 08/1996   |
| ### DEMANDEM DATE  4,201,978  4,201,978  4,264,808  4,326,258  4,417,136  4,417,136  4,555,617  4,680,803  05/198  4,888,812  10/198  5,159,548  10/199; 5,175,682  12/199; 5,175,682  12/199; 5,175,682  12/199; 5,175,682  12/199; 5,175,682  12/199; 5,175,682  12/199; 5,175,682  12/199; 5,175,682  12/199; 5,175,682  12/199; 5,175,682  12/199; 5,187,750  02/199; 5,197,750  02/199; 5,1237,158  08/199; 5,345,090  09/1994  | 04/1996   |
| ### DEMANDERN DATE  4,201,978 05/198  4,264,808 04/198  4,326,258 04/198  4,417,136 11/198  4,523,330 06/198  4,523,330 06/198  4,580,803 07/198  4,680,803 07/198  4,888,812 12/198  5,091,968 02/199  5,175,682 12/199  5,175,682 12/199  5,187,750 02/199  5,274,567 12/1993  5,274,567 12/1993  5,321,238 06/1994  5,345,090 09/1994   | 08/1995   |
| ### DEMANDEM DATE  4,201,978  4,201,978  4,264,808  4,326,258  4,417,136  4,417,136  4,4523,330  06/198  4,555,617  11/198  4,680,803  07/198  4,888,812  12/198  5,191,968  02/199; 5,175,682  10/199; 5,175,682  10/199; 5,175,682  10/199; 5,175,682  10/199; 5,175,682  10/199; 5,175,682  10/199; 5,175,682  10/199; 5,175,682  10/199; 5,175,682  10/199; 5,175,682  10/199; 5,175,682  10/199; 5,175,682  | 09/1994   |
| ### DEMANDEM DATE  4,201,978 05/198  4,264,808 04/198  4,326,258 04/198  4,417,136 11/198  4,4523,330 06/198  4,523,330 06/198  4,580,803 07/198  4,680,803 07/198  4,888,812 12/1988  5,091,968 02/199  5,175,682 12/199  5,175,682 12/199  5,175,682 02/199  5,204,811 04/199  5,274,567 12/1993   | 06/1994   |
| ### DEMANDEM DATE  4,201,978  4,201,978  05/198  4,264,808  04/198  4,417,136  11/198  4,457,015  06/198  4,555,617  11/198  4,680,803  07/198  4,888,812  12/198  5,191,968  02/199; 5,175,682  10/199; 5,175,682  12/199; 5,204,811  04/199; 5,237,158  08/199;  | 12/1993   |
| ### DEMANDEM DATE  4,201,978 05/198  4,264,808 04/198  4,326,258 04/198  4,417,136 11/198  4,4523,330 06/198  4,523,330 06/198  4,580,803 07/198  4,680,803 07/198  4,888,812 12/198  5,091,968 02/199  5,175,682 12/199  5,175,682 12/199  5,187,750 02/199  5,204,811 04/199   | 08/1993   |
| ### DEMANDEM DATE  4,201,978 05/198  4,264,808 04/198  4,326,258 04/198  4,417,136 11/198  4,457,015 06/198  4,555,617 11/198  4,680,803 07/198  4,888,812 12/198  5,195,548 02/199  5,175,682 12/199  5,187,750 02/199  | 04/1993   |
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| ### DEMAND   DATE   DAT | 02/1992   |
| ######################################   | 12/1989   |
| ### DECEMBER 14,201,978 05/198 4,201,978 05/198 4,264,808 04/198 4,326,258 04/198 4,417,136 11/198 4,4523,330 06/198 4,555,617 11/198 4,680,803 07/198   | 05/1988 Ho  |
| ### DEMANDEM DATE  4,201,978 05/198  4,264,808 04/198  4,326,258 04/198  4,417,136 11/198  4,457,015 06/198  4,523,330 06/198  4,555,617 11/198  | 07/1987 Dilella   |
| ### DEMONSTRATION DATE   1,201,978   05/198   4,264,808   04/198   4,417,136   11/198   4,4523,330   06/198  | 11/1985   |
| ### DEMANDEM DATE  4,201,978 05/198  4,264,808 04/198  4,326,258 04/198  4,417,136 11/198  4,457,015 06/198  | 06/1985   |
| ######################################   | 06/1984   |
| ### DEMANDEM DATE  4,201,978 05/198  4,264,808 04/198  4,326,258 04/198  | 11/1983   |
| 4,201,978 05/198<br>4,264,808 04/198   | 04/1982   |
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Sheet 1 of 1

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#### MCGUREWOODS BATTLE & BOOTHE 1.1.

One James Center
901 East Cary Street
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Direct Dial: (804) 775-4388 Mark A. Taylor

October 8, 1998

Box Non-Fee Amendment Assistant Commissioner for Patents

Washington, D.C. 20231

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GROUP 2100 OCT 15 1998

Dear Sir:

œ. Transmitted herewith for filing is a Submission in connection with the patent application

Inventors: Claudio R. Ballard

REMOTE IMAGE CAPTURE WITH

CENTRALIZED PROCESSING AND STORAGE

Filing Date: August 27, 1997

Senal No.: 08/917,761

Art Unit: Examiner: 3642 Cangialosi, Sal

Attorney Docket No.: 2000976-0009

Enclosed are:

Submission;

Supplemental Power of Attorney;

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Statement Under 37 CFR 3.73(b);

Express Mail Certificate; and

a self-addressed stamped return postcard.

required, or credit any over payment to Account No. 13-0437. The Commissioner is hereby authorized to charge any additional fees, which has best uired, or credit any over payment to Account No. 13-0437.

Respectfully submitted

House a Taylor Mark A. Taylor

Registration No. 35,706

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#### MCGUIREWOODS BATTLE & BOOTHE 11.7

One James Center 901 East Cary Street Richmond, Virginia 23219-4030

Telephone/TDD (804) 775-1000 • Fax (804) 775-1061

J. MICHAEL MARTINEZ DE ANDINO Direct Dial No.: (804) 775-1033

Direct Fax No.: (804) 698-2106

October 23, 1998

Assistant Commissioner for Patents Washington, D.C. 20231

Dear Sir.

Transmitted herewith is information regarding patent application of:

Inventor: Serial No.: Claudio R. Ballard 08/917,761

August 27, 1997

Filed

Examined Art Unit:

ide:

3642

Cangialosi, Sal REMOTE IMAGE CAPTURE WITH CENTRALIZED PROCESSING AND STORAGE

Group 2700

0CT 3 0 1998 Received

Enclosed herewith are:

Copy of Supplemental Power of Attorney as originally filed;
Petition to Make Special under 37 CFR § 1.182 and § 1.183;
Information Disclosure Statement with References;
PTO-1449 (modified);
Check in the amount of \$130.00;
Certificate of Express Mail;
and a Self-addressed, stamped return postcard.

The Commissioner is hereby authorized to charge any additional fees, which may be required, or credit any overpayment to Account No. <u>13-0437</u>. Two additional copies of this sheet are attached.

Respectfully submitted

J. Michael Martinez de Andino

**₽** 

Mosty do

Attorney for Applicants Registration No. 37,178

Dated: October 23, 1998

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CHARLOTTE · CHARLOTTESVILLE · CHICAGO · JACKSONVILLE · MOSCOT NORPOLE - RICHMOND - TYSONS CORNER -WASHINGTON - ZURICH (OF COURSE)



#### MCGUIREWOODS BATTLE & BOOTHE LLP

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Richmond, Virginia 23219-4030 Telephone/TDD (804) 775-1000 •• Fax (804) 775-1061

J. MICHAEL MARTINEZ DE ANDINO Direct Dial No.: (804) 775-1033

Direct Fax No.: (804) 698-2106

E-mall Address: jmmartin@mwbb.com

October 23, 1998

Assistant Commissioner for Patents Washington, D.C. 20231

Dear Sir:

Transmitted herewith is information regarding patent application of: Received

Claudio R. Ballard 08/917;761

Group 2700

Serial No.: August 27, 1997

Filed:

inventor:

Art Unit: Examiner:

Cangialosi, Sal REMOTE IMAGE CAPTURE WITH CENTRALIZED PROCESSING AND STORAGE

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★ Copy of Supplemental Power of Attorney as originally filed;
★ Petition to Make Special under 37 CFR § 1.182 and § 1.183;
★ Information Disclosure Statement with References;

★ PTO-1449 (modified);

Check in the amount of \$130.00;
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 and a Self-addressed, stamped return postcard.

The Commissioner is hereby authorized to charge any additional fees, which may be required, or credit any overpayment to Account No. <u>13-0437</u>. Two additional copies of this sheet are attached.

Respectfully submitted

Attorney for Applicants Registration No. 37,178 Michael Martinez de Andino l loston de Cadria

Dated: October 23, 1998

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PATENT

I hereby certify that on the date specified below, this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, DC 20231.

se Se

Christopher J. Daley-Watson

Date

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants Karen Gross et al.

Application No. 08/925,447

Filed September 8, 1997

For SINGLE TELEPHONE NUMBER ACCESS TO MULTIPLE

COMMUNICATIONS

Docket No. CDR-096-013

February 2, 1998

Assistant Commissioner for Patents

Washington, DC 20231

### INFORMATION DISCLOSURE STATEMENT

Sir:

examination of the above-identified application, applicants believe that the invention is applicants' duty to disclose all information they are aware of which is believed relevant to the references are made known to the Patent and Trademark Office in compliance with to make known to the Patent and Trademark Office the references set forth on the attached form PTO-1449 (copies of the cited references are enclosed). In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicants wish Although the aforesaid

inventors as the present application: co-pending applications by the same assignee which have either the same or different Applicants wish to disclose and have officially considered the following

| Application | Filing   | Title  |
|-------------|----------|--|
| No.         | Date     |  |
| 08/924,928  | 09/08/97 | 08/924,928   09/08/97   Multiple Routing Options In A  |
|             |          | Telecommunications Service Platform                    |
| 08/925,520  | 09/08/97 | 08/925,520   09/08/97   Outbound Calling Services On A |
|             |          | Telecommunications Service Platform                    |
|             |          |  |
|             |          |  |

| <br>Application No. | Filing<br>Date | Title  |
|---------------------|----------------|--|
| <br>08/925,370      | 76/80/60       | Internet-Based Subscriber Profile Management Of A Communications System    |
| 08/925,926          | 09/08/97       | Integrated Messaging Platform  |
| <br>08/924,924      | 09/08/97       | Integrated Voicemail And Faxmail Platform<br>For A Communications System   |
| 08/925,925          | 09/08/97       | Virtual Private Network Access<br>To The Communications Platform           |
| 08/925,371          | 09/08/97       | Direct Distance Dialing (DDD) Access To A Communications Services Platform |

such as by a showing under 37 C.F.R. § 1.131 or other method. 35 U.S.C. §§ 102 or 103, and specifically reserve the right to antedate any such document, As to any noted reference, applicants do not admit that it is "prior art" under

overpayment to Deposit Account No. 13-2491. accordance with Section 1.97(c) and any other fees which may be required, or credit any fee is being submitted. The Assistant Commissioner is hereby authorized to charge a fee in Applicants do not believe that any fee is due with this communication and no

kindly make the cited references of record in the above-identified application. Please acknowledge receipt of this Information Disclosure Statement and

Respectfully submitted,

SEED and BERRYLLP Karen Gross et al.

Registration No. 34,807 Christopher J. Haley-Watson

CJD:kh

Enclosures:

Cited References (75) 2 Postcards Form PTO-1449

6300 Columbia Center

701 Fifth Avenue

Seattle, Washington 98104-7092 (206) 622-4900 Fax: (206) 682-6031

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#### PATENT APPLICATION 08917761

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APPROVED FOR LICENSE

Date Received or Mailed

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